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# STATISTICAL PROFILE

# JAPAN'S ECONOMY IN 1990
# AND
# INTERNATIONAL TRANSACTIONS OF JAPAN AND THE UNITED STATES IN 1990

Japan Economic Institute 1000 Connecticut Avenue, N.W., Washington, D.C. 20036 202·296·5633

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Table 1: Japan's Gross National Product at 1985 Constant Prices, 1986-1990

(in billions of yen, seasonally adjusted, quarterly figures at annual rates)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Gross National Product | Y330,021.6 | Y344,332.7 | Y365,823.4 | Y383,092.8 | Y404,654.6 |
| | (2.6%) | (4.3%) | (6.2%) | (4.7%) | (5.6%) |
| Personal Consumption Spending | 195,078.9 | 203,335.9 | 213,983.1 | 223,296.8 | 232,235.3 |
| | (3.4%) | (4.2%) | (5.2%) | (4.4%) | (4.0%) |
| Private Residential Construction | 15,777.9 | 19,348.6 | 21,643.9 | 21,661.4 | 23,581.4 |
| | (7.8%) | (22.6%) | (11.9%) | (0.1%) | (8.9%) |
| Private Fixed Nonresidential Investment | 54,047.3 | 57,653.7 | 66,167.1 | 76,512.9 | 87,125.1 |
| | (4.4%) | (6.7%) | (14.8%) | (15.6%) | (13.9%) |
| Change in Business Inventories | 1,197.3 | 824.9 | 3,218.5 | 3,684.3 | 2,939.9 |
| | (-34.3%) | (-31.1%) | (290.2%) | (14.5%) | (-20.2%) |
| Government Current Expenditures | 31,986.4 | 32,124.0 | 32,815.3 | 33,510.3 | 33,983.0 |
| | (4.5%) | (0.4%) | (2.2%) | (2.1%) | (1.4%) |
| Government Fixed Investment | 22,445.6 | 24,091.4 | 25,335.7 | 25,042.5 | 25,920.7 |
| | (3.6%) | (7.3%) | (5.2%) | (-1.2%) | (3.5%) |
| Change in Government Inventories | 582.9 | 50.8 | -239.7 | -87.6 | 128.2 |
| | (*) | (*) | (*) | (*) | (*) |
| Net External Sector | 8,905.3 | 6,903.4 | 2,899.5 | -527.8 | -1,259.1 |
| | (-25.6%) | (-22.5%) | (-58.0%) | (*) | (*) |
| Exports of Goods and Services and Factor Income Received | 49,399.9 | 51,668.2 | 57,212.6 | 65,779.2 | 72,943.4 |
| | (-5.4%) | (4.6%) | (10.7%) | (15.0%) | (10.9%) |
| Imports of Goods and Services and Factor Income Paid | 40,494.7 | 44,764.8 | 54,313.1 | 66,307.0 | 74,202.4 |
| | (0.6%) | (10.5%) | (21.3%) | (22.1%) | (11.9%) |

(continued)

Table 1: Japan's Gross National Product at 1985 Constant Prices, 1986-1990 (continued)

(in billions of yen, seasonally adjusted, quarterly figures at annual rates)

| | January-March 1989 | April-June 1989 | July-September 1989 | October-December 1989 | January-March 1990 | April-June 1990 | July-September 1990 | October-December 1990 |
|---|---|---|---|---|---|---|---|---|
| Gross National Product | Y376,977.2 (4.2%) | Y376,976.7 (-0.0%) | Y386,060.6 (10.0%) | Y391,148.0 (5.4%) | Y397,447.8 (6.6%) | Y402,877.4 (5.6%) | Y407,432.8 (4.6%) | Y410,021.2 (2.6%) |
| Personal Consumption Spending | 220,310.2 (6.0%) | 219,177.7 (-2.0%) | 224,266.3 (9.6%) | 228,740.9 (8.2%) | 229,493.1 (1.3%) | 233,094.6 (6.4%) | 233,453.1 (0.6%) | 232,841.7 (-1.0%) |
| Private Residential Construction | 21,883.5 (-0.8%) | 21,399.5 (-8.6%) | 21,598.2 (3.8%) | 21,785.9 (3.5%) | 22,080.3 (5.5%) | 23,238.8 (22.7%) | 24,616.2 (25.9%) | 24,218.7 (-6.3%) |
| Private Fixed Nonresidential Investment | 73,931.1 (25.6%) | 73,416.3 (-2.8%) | 77,616.2 (24.9%) | 80,529.8 (15.9%) | 83,429.0 (15.2%) | 85,923.6 (12.5%) | 87,867.2 (9.4%) | 90,949.6 (14.8%) |
| Change in Business Inventories | 2,348.7 (*) | 4,571.4 (*) | 3,799.5 (*) | 3,961.4 (*) | 2,180.7 (*) | 3,348.8 (*) | 3,512.8 (*) | 2,710.5 (*) |
| Government Current Expenditures | 33,358.4 (3.5%) | 33,586.6 (2.8%) | 33,452.8 (-1.6%) | 33,646.9 (2.3%) | 33,901.9 (3.1%) | 33,902.0 (0.0%) | 33,945.9 (0.5%) | 34,185.3 (2.9%) |
| Government Fixed Investment | 24,827.0 (-2.2%) | 25,097.3 (4.4%) | 24,968.8 (-2.0%) | 25,294.9 (5.3%) | 25,697.3 (6.5%) | 25,958.5 (4.1%) | 26,018.8 (0.9%) | 26,046.1 (0.4%) |
| Change in Government Inventories | 130.5 (*) | 293.8 (*) | -20.4 (*) | -721.0 (*) | 203.4 (*) | 433.5 (*) | 603.0 (*) | -724.7 (*) |
| Net External Sector | 187.8 (*) | -566.0 (*) | 379.1 (*) | -2,090.8 (*) | 462.1 (*) | -3,022.4 (*) | -2,584.2 (*) | -206.0 (*) |
| Exports of Goods and Services and Factor Income Received | 62,742.3 (18.4%) | 64,673.5 (12.9%) | 66,903.6 (14.5%) | 68,977.2 (13.0%) | 73,636.7 (29.9%) | 74,052.7 (2.3%) | 70,837.4 (-16.3%) | 73,259.1 (14.4%) |
| Imports of Goods and Services and Factor Income Paid | 62,554.5 (45.0%) | 65,239.5 (18.3%) | 66,524.5 (8.1%) | 71,068.0 (30.2%) | 73,174.6 (12.4%) | 77,075.1 (23.1%) | 73,421.6 (-17.6%) | 73,465.1 (0.2%) |

*Cannot be calculated or meaningless.

Source: Economic Planning Agency

Table 2: Major Interest Rates in Japan, 1986-1990

(percent per annum)

| | Central Bank Discount Rate* | Long-Term Prime Lending Rate* | Call Rate** | Average Interest Rate on Loans and Discounts of All Banks* | Savings Deposits* | | | | Average Interest Rate on Certificates of Deposit* |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Commercial Banks | | Post Office | | |
| | | | | | Ordinary Deposits | Six-Month Time Deposits | Ordinary Deposits | One-Year Savings Certificates | |
| 1986 | 3.0% | 6.2% | 4.79% | 5.51% | 0.26% | 3.01% | 1.68% | 2.26% | 4.56% |
| 1987 | 2.5 | 5.7 | 3.51 | 4.94 | 0.26 | 2.64 | 1.68 | 2.26 | 4.53 |
| 1988 | 2.5 | 5.7 | 3.62 | 4.93 | 0.26 | 2.64 | 1.68 | 2.26 | 4.48 |
| 1989 | 4.25 | 6.5 | 4.87 | 5.78 | 0.50 | 3.57 | 1.92 | 2.82 | 6.65 |
| 1990 | 6.0 | 8.1 | 7.24 | 7.70 | 2.08 | 5.33 | 3.48 | 4.58 | 8.28 |

*End of period.
**Average for period.

Source: Bank of Japan

Table 3: Money Supply in Japan, 1986-1990

(in billions of yen, average for period)

| | Outstanding Money Supply (M2+CDs)* | Change |
|---|---|---|
| 1986 | ¥320,732 | 8.7% |
| 1987 | 354,036 | 10.4 |
| 1988 | 393,667 | 11.2 |
| 1989 | 432,671 | 9.9 |
| 1990 | 483,119 | 11.7 |

*Includes currency in circulation, demand deposits and time deposits (excluding trust accounts) held by commercial banks, plus certificates of deposit.

Source: Bank of Japan

Table 4: Japan's General Account Expenditures (Revised), FY 1986-FY 1990*

(in billions of yen and percent change)

| | FY 1986 | | FY 1987 | | FY 1988 | | FY 1989 | | FY 1990 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Expenditures | Y53,824.8 | 1.1% | Y58,214.2 | 8.2% | Y61,851.7 | 6.3% | Y66,311.9 | 7.2% | Y69,651.2 | 5.0% |
| Social Security | 10,090.3 | 2.6 | 10,321.8 | 2.3 | 11,801.4 | 14.3 | 12,474.2 | 5.7 | 11,544.6 | -7.5 |
| Public Assistance | 1,110.4 | 2.6 | 1,105.2 | -0.5 | 1,062.0 | -3.9 | 1,080.6 | 1.8 | 1,050.8 | -2.8 |
| Social Welfare | 1,977.8 | -3.8 | 2,033.2 | 2.8 | 2,146.3 | 5.6 | 2,307.7 | 7.5 | 2,446.8 | 6.0 |
| Social Insurance | 6,137.3 | 5.0 | 6,310.2 | 2.8 | 7,732.3 | 22.5 | 8,206.4 | 6.1 | 7,204.8 | -12.2 |
| Health Services | 497.2 | 7.1 | 512.3 | 3.0 | 500.7 | -2.3 | 525.4 | 4.9 | 561.8 | 6.9 |
| Unemployment Compensation | 367.6 | -2.4 | 361.0 | -1.8 | 360.2 | -1.2 | 354.1 | -1.7 | 280.5 | -20.8 |
| Education and Science | 4,886.6 | -0.4 | 5,063.7 | 3.6 | 4,982.0 | -1.6 | 5,075.3 | 1.9 | 5,359.4 | 5.6 |
| Compulsory Education | 2,414.9 | -0.0 | 2,392.9 | -0.9 | 2,463.5 | 3.0 | 2,475.5 | 0.5 | 2,642.6 | 6.7 |
| Transfer to School Account | 1,083.7 | 0.8 | 1,180.1 | 8.9 | 1,124.4 | -4.7 | 1,184.8 | 5.4 | 1,264.3 | 6.7 |
| Science and Technology Promotion | 381.8 | 1.7 | 473.5 | 24.0 | 426.6 | -9.9 | 453.9 | 6.4 | 474.2 | 4.5 |
| School Facilities | 350.0 | -9.2 | 354.6 | 1.3 | 283.3 | -20.1 | 262.7 | -7.3 | 244.3 | -7.0 |
| School Aid | 575.7 | 1.1 | 580.9 | 0.9 | 601.0 | 3.5 | 615.4 | 2.4 | 650.3 | 5.7 |
| Student Loans | 80.5 | -3.7 | 81.7 | 1.5 | 83.3 | 2.0 | 83.0 | -0.4 | 83.7 | 0.9 |
| Public Works | 6,946.3 | 0.3 | 7,428.0 | 6.9 | 6,683.0 | -10.0 | 7,398.9 | 10.7 | 7,013.2 | -5.2 |
| Erosion and Flood Control | 1,101.4 | 1.7 | 1,221.9 | 10.9 | 1,059.4 | -13.3 | 1,080.3 | 2.0 | 1,087.3 | 0.6 |
| Road Improvement | 1,826.3 | -1.6 | 1,983.8 | 8.6 | 1,744.1 | -12.1 | 1,782.3 | 2.2 | 1,789.2 | 0.4 |
| Harbors and Airports | 517.3 | 1.1 | 563.7 | 9.0 | 497.1 | -12.8 | 511.5 | 2.9 | 515.0 | 0.7 |
| Housing | 940.2 | 1.3 | 964.4 | 2.6 | 930.3 | -3.5 | 1,539.2 | 65.5 | 930.9 | -39.5 |
| Social Infrastructure | 989.0 | 1.9 | 1,106.1 | 11.8 | 942.6 | -14.8 | 954.8 | 1.3 | 957.4 | 0.3 |
| Agricultural Infrastructure | 886.9 | 0.9 | 963.7 | 8.7 | 852.4 | -11.5 | 867.8 | 1.8 | 870.4 | 0.3 |
| Forestry and Industrial Water Supplies | 170.4 | 0.5 | 181.2 | 6.3 | 163.0 | -10.0 | 160.2 | -1.7 | 157.8 | -1.5 |
| Disaster Reconstruction | 503.5 | -2.0 | 431.6 | -14.3 | 483.8 | 12.1 | 492.3 | 1.8 | 694.7 | 41.1 |
| Reserves | 11.3 | 5.6 | 11.8 | 3.6 | 10.4 | -11.9 | 10.6 | 1.9 | 10.6 | 0.3 |
| Pensions | 1,850.1 | -0.7 | 1,895.6 | 2.5 | 1,879.8 | -0.8 | 1,855.7 | -1.3 | 1,837.4 | -1.0 |
| Civil Servants | 121.4 | -2.7 | 122.2 | 0.7 | 118.1 | -3.4 | 111.8 | -5.3 | 107.8 | -3.6 |
| Veterans | 1,562.6 | -1.0 | 1,606.9 | 2.8 | 1,599.0 | -0.5 | 1,588.5 | -0.7 | 1,580.5 | -0.5 |
| Other Pensions | 155.9 | 4.0 | 157.6 | 1.1 | 154.4 | -2.0 | 147.4 | -4.5 | 141.0 | -4.3 |
| Administrative Costs | 10.3 | -0.1 | 8.9 | -14.3 | 8.4 | -5.6 | 8.0 | -4.8 | 8.0 | -0.2 |
| Local Allocation Tax | 9,734.7 | 0.5 | 11,086.2 | 13.9 | 13,031.2 | 17.5 | 14,964.7 | 14.8 | 15,930.8 | 6.5 |
| National Debt Service | 10,664.4 | 4.8 | 11,851.4 | 11.1 | 12,030.7 | 1.5 | 12,089.8 | 0.5 | 14,449.3 | 19.5 |
| Defense | 3,338.0 | 5.3 | 3,507.8 | 5.1 | 3,728.3 | 6.3 | 3,969.9 | 6.5 | 4,254.1 | 7.2 |
| Economic Cooperation | 600.5 | 3.3 | 661.3 | 10.1 | 714.4 | 8.0 | 750.6 | 5.1 | 802.1 | 6.9 |
| Small Business Assistance | 225.6 | 6.5 | 263.2 | 16.6 | 257.6 | -2.1 | 240.5 | -6.6 | 240.9 | 0.1 |
| Energy Support | 570.5 | -8.9 | 496.8 | -12.9 | 458.4 | -7.7 | 546.1 | 19.1 | 547.1 | 0.2 |
| Food Agency Account | 613.6 | -11.7 | 688.2 | 12.1 | 480.4 | -30.2 | 459.2 | -4.4 | 404.6 | -11.9 |
| Miscellaneous | 4,104.0 | -5.6 | 4,292.2 | 4.6 | 4,304.6 | 0.3 | 4,987.1 | 15.9 | 5,642.8 | 13.1 |
| Reserves | 200.0 | 0.0 | 200.0 | 0.0 | 200.0 | 0.0 | 200.0 | 0.0 | 325.0 | 62.5 |
| Industrial Investment Special Account | 0.0 | 0.0 | 458.0 | 100.0 | 1,300.0 | 183.8 | 1,300.0 | 0.0 | 1,300.0 | 0.0 |

*Revised budget figures include the supplementary budget.

Source: Ministry of Finance

Table 5: Japan's Discretionary General Account Spending (Revised), FY 1986-FY 1990*

(in billions of yen and percent change)

| | FY 1986 | | FY 1987 | | FY 1988 | | FY 1989 | | FY 1990 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Expenditures | Y53,824.8 | 1.1% | Y58,214.2 | 8.2% | Y61,851.7 | 6.3% | Y66,311.9 | 7.2% | Y69,651.2 | 5.0% |
| Minus | | | | | | | | | | |
| Debt Service and Transfers to Local Governments | 20,399.1 | 2.7 | 22,937.6 | 12.4 | 25,061.9 | 9.3 | 27,054.5 | 8.0 | 30,380.1 | 12.3 |
| Equals | | | | | | | | | | |
| Discretionary Spending | 33,425.8 | 0.2 | 35,276.5 | 5.5 | 36,789.8 | 4.3 | 39,257.4 | 6.7 | 39,271.0 | 0.0 |

*Revised budget figures include the supplementary budget.

Source: Ministry of Finance

Table 6: Japan's General Account Revenues (Revised), FY 1986-FY 1990*

(in billions of yen and percent change)

| | FY 1986 | | FY 1987 | | FY 1988 | | FY 1989 | | FY 1990 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Revenues | Y53,824.8 | 1.1% | Y58,214.2 | 8.2% | Y61,851.7 | 6.3% | Y66,311.9 | 7.2% | Y69,651.2 | 5.0% |
| Tax and Stamp Revenues | 39,440.0 | 3.4 | 43,087.0 | 9.3 | 48,106.0 | 11.7 | 54,227.0 | 12.7 | 59,131.0 | 9.0 |
| Direct Taxes | 29,469.0 | 3.1 | 31,703.0 | 7.6 | 36,284.0 | 14.5 | 41,541.0 | 14.5 | 44,842.0 | 7.9 |
| Income Taxes | 16,393.0 | 6.6 | 16,188.0 | -1.3 | 16,928.0 | 4.6 | 20,057.0 | 18.5 | 24,345.0 | 21.4 |
| Corporate Taxes | 11,725.0 | -3.9 | 13,722.0 | 17.0 | 17,712.0 | 29.1 | 19,577.0 | 10.5 | 18,637.0 | -4.8 |
| Inheritance and Gift Taxes | 1,351.0 | 34.6 | 1,793.0 | 32.7 | 1,644.0 | -8.3 | 1,907.0 | 16.0 | 1,860.0 | -2.5 |
| Indirect Taxes and Stamp Revenues | 9,971.0 | 4.2 | 11,384.0 | 14.2 | 11,822.0 | 3.9 | 12,686.0 | 7.3 | 14,289.0 | 12.6 |
| Liquor Taxes | 1,974.0 | 1.0 | 2,042.0 | 3.4 | 2,066.0 | 1.2 | 1,801.0 | -12.8 | 1,914.0 | 6.3 |
| Gasoline Taxes | 1,572.0 | 1.2 | 1,596.0 | 1.5 | 1,314.0 | -17.7 | 1,365.0 | 3.9 | 1,423.0 | 4.2 |
| Consumption Tax | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | 3,618.0 | 100.0 | 4,870.0 | 34.6 |
| Commodity Taxes | 1,627.0 | 5.8 | 1,686.0 | 3.6 | 1,864.0 | 10.6 | 0.0 | -100.0 | 0.0 | 0.0 |
| Securities Transaction Tax | 981.0 | 62.7 | 1,766.0 | 80.0 | 1,800.0 | 1.9 | 1,234.0 | -31.4 | 1,020.0 | -17.3 |
| Stamp Revenues | 1,462.0 | 7.0 | 1,806.0 | 23.5 | 1,973.0 | 9.2 | 1,849.0 | -6.3 | 2,026.0 | 9.6 |
| Monopoly Profits | 7.6 | 15.2 | 6.0 | -21.1 | 8.0 | 34.2 | 7.7 | -3.8 | 8.3 | 7.8 |
| Public Enterprise Receipts | 16.7 | 5.0 | 17.5 | 4.8 | 16.7 | -5.0 | 16.9 | 1.7 | 17.6 | 3.6 |
| Sale of Public Properties | 134.5 | -14.8 | 180.6 | 34.3 | 126.1 | -30.2 | 173.3 | 37.5 | 128.5 | -25.9 |
| Miscellaneous | 2,289.7 | 1.6 | 2,044.7 | -10.7 | 2,653.5 | 29.8 | 2,385.4 | -10.1 | 2,505.3 | 5.0 |
| Public Bonds | 11,495.0 | -7.6 | 10,539.0 | -8.3 | 7,967.0 | -24.4 | 7,111.0 | -10.7 | 7,312.0 | 2.8 |
| Carryover Surplus | 441.3 | 114.8 | 2,339.4 | 430.1 | 2,974.6 | 27.2 | 2,390.6 | -19.6 | 548.6 | -77.1 |

*Revised budget figures include the supplementary budget.

Source: Ministry of Finance

Table 7: Uses and Sources of Japan's Fiscal Investment and Loan Program Outlays (Initial), FY 1986-FY 1990

(in billions of yen and percent change)

| | FY 1986 | | FY 1987 | | FY 1988 | | FY 1989 | | FY 1990 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Outlays | Y22,155.1 | 6.2% | Y27,081.3 | 7.1% | Y29,614.0 | 9.4% | Y32,270.5 | 9.0% | Y34,572.4 | 7.1% |
| Housing | 5,856.2 | 10.7 | 6,328.2 | 8.1 | 6,921.5 | 9.4 | 7,460.6 | 7.8 | 8,365.9 | 12.1 |
| Other Social Infrastructure | 3,694.5 | 12.6 | 3,998.7 | 8.2 | 4,450.9 | 11.3 | 4,371.3 | -1.8 | 4,222.0 | -3.4 |
| Welfare | 625.9 | 5.1 | 627.7 | 0.3 | 661.8 | 5.4 | 736.0 | 11.2 | 851.9 | 15.7 |
| Education | 678.2 | -9.0 | 784.1 | 15.6 | 637.6 | -18.7 | 520.2 | -18.4 | 554.1 | 6.5 |
| Small Business | 3,700.0 | -1.7 | 3,985.6 | 7.7 | 4,030.6 | 1.1 | 4,176.4 | 3.6 | 4,337.8 | 3.9 |
| Agriculture | 902.1 | 1.3 | 907.8 | 0.6 | 979.4 | 7.9 | 924.4 | -5.6 | 876.0 | -5.2 |
| Land Conservation and Disaster Work | 422.7 | -10.6 | 493.0 | 16.6 | 409.8 | -16.9 | 357.9 | -12.7 | 328.5 | -8.2 |
| Roads | 2,024.4 | 10.8 | 2,363.0 | 16.7 | 2,512.1 | 6.3 | 2,576.8 | 2.6 | 2,700.1 | 4.8 |
| Transportation and Communications | 2,015.1 | 14.3 | 2,264.1 | 12.4 | 2,229.9 | -1.5 | 2,361.6 | 5.9 | 2,304.1 | -2.4 |
| Regional Development | 566.1 | 10.7 | 657.7 | 16.2 | 652.2 | -0.8 | 676.6 | 3.7 | 682.5 | 0.9 |
| Industry and Technology | 635.9 | 5.4 | 630.9 | -0.8 | 687.2 | 8.9 | 758.7 | 10.4 | 796.5 | 5.0 |
| Foreign Trade and Economic Cooperation | 1,034.0 | -7.2 | 690.5 | -33.2 | 1,171.0 | 69.6 | 1,420.0 | 21.3 | 1,603.0 | 12.9 |
| Cash Management | n.a. | n.a. | 3,350.0 | n.a. | 4,270.0 | 27.5 | 5,930.0 | 38.9 | 6,950.0 | 17.2 |
| Total Revenues | Y27,155.1 | 5.0% | Y31,081.3 | 14.5% | Y33,114.0 | 6.5% | Y34,570.5 | 4.4% | Y36,572.4 | 5.8% |
| Industrial Investment Special Account | 61.5 | 95.9 | 144.3 | 134.6 | 91.2 | -36.8 | 85.2 | -6.6 | 64.1 | -24.8 |
| Trust Fund Bureau Fund | 20,738.6 | 3.5 | 24,595.8 | 18.6 | 26,206.6 | 6.6 | 26,871.3 | 2.5 | 28,453.3 | 5.9 |
| Postal Savings | 7,000.0 | 9.4 | 7,900.0 | 12.9 | 7,900.0 | 0.0 | 8,500.0 | 7.6 | 7,200.0 | -15.3 |
| Pension Contributions | 4,300.0 | 8.9 | 4,450.0 | 3.5 | 3,500.0 | -21.3 | 4,310.0 | 23.1 | 5,540.0 | 28.5 |
| Other Revenues | 9,438.6 | -2.5 | 12,245.8 | 29.7 | 14,806.6 | 20.9 | 14,061.3 | -5.0 | 15,713.3 | 11.7 |
| Postal Life Insurance Fund | 3,145.0 | 21.5 | 3,941.2 | 25.3 | 4,409.4 | 11.9 | 5,614.0 | 27.3 | 6,055.0 | 7.9 |
| Government-Guaranteed Bonds and Borrowings | 3,210.0 | 0.0 | 2,400.0 | -25.2 | 2,406.8 | 0.3 | 2,000.0 | -16.9 | 2,000.0 | 0.0 |

Source: Ministry of Finance

Table 8: Japan's Industrial Production Index by Sector, 1986-1990

(1985 = 100)

| | Total | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Index | Change | Mining | Manufacturing | Steel | Nonferrous Metals | Fabricated Metal Products | Nonelectric Machinery | Electric Machinery | Transport Equipment |
| 1986 | 99.8 | -0.2% | 99.6 | 99.8 | 94.4 | 100.0 | 99.7 | 95.6 | 104.2 | 98.1 |
| 1987 | 103.2 | 3.4 | 90.3 | 103.2 | 96.3 | 107.6 | 103.2 | 95.9 | 113.7 | 96.8 |
| 1988 | 113.0 | 9.5 | 85.9 | 113.1 | 105.0 | 114.2 | 111.0 | 110.3 | 132.3 | 105.5 |
| 1989 | 119.9 | 6.1 | 81.8 | 120.1 | 106.9 | 122.1 | 116.1 | 122.2 | 142.1 | 116.2 |
| 1990 | 125.4 | 4.6 | 78.1 | 125.6 | 108.8 | 130.3 | 120.5 | 128.1 | 149.6 | 125.7 |

| | Precision Instruments | Nonmetallic Mineral Products | Chemicals | Petroleum and Coal Products | Plastic Products | Pulp, Paper and Paper Products | Textiles | Food and Tobacco Products | Other |
|---|---|---|---|---|---|---|---|---|---|
| 1986 | 104.5 | 96.8 | 103.2 | 96.4 | 101.8 | 103.0 | 95.9 | 101.1 | 100.7 |
| 1987 | 105.4 | 100.3 | 111.1 | 92.9 | 106.7 | 109.2 | 94.4 | 101.9 | 103.9 |
| 1988 | 114.1 | 109.6 | 120.4 | 96.7 | 113.3 | 118.7 | 94.5 | 103.6 | 109.8 |
| 1989 | 120.8 | 114.0 | 128.7 | 101.4 | 117.7 | 127.6 | 93.7 | 104.7 | 115.0 |
| 1990 | 136.0 | 119.2 | 134.4 | 110.4 | 122.5 | 133.2 | 90.8 | 105.3 | 121.5 |

Source: Ministry of International Trade and Industry

Table 9: Japan's Index of Industrial Production by End-Use Classification, 1986-1990

(1985 = 100)

| | Final Demand Goods | | | | | |
|---|---|---|---|---|---|---|
| | Total | Capital Goods | Construction Materials | Consumer Goods | | Producer Goods |
| | | | | Durable | Nondurable | |
| 1986 | 100.6 | 99.0 | 99.8 | 102.3 | 101.9 | 98.7 |
| 1987 | 103.2 | 102.2 | 105.5 | 101.5 | 104.5 | 103.1 |
| 1988 | 112.2 | 116.6 | 112.0 | 108.8 | 109.4 | 113.9 |
| 1989 | 119.1 | 128.7 | 116.5 | 112.4 | 113.6 | 120.9 |
| 1990 | 124.6 | 135.8 | 119.3 | 119.0 | 117.4 | 126.4 |

Source: Ministry of International Trade and Industry

Table 10: Japan's Index of Producers' Inventories of Finished Goods, 1986-1990

(1985 = 100)

| | Total | Mining | Manufacturing | Steel | Nonferrous Metals | Fabricated Metal Products | Nonelectric Machinery | Electric Machinery | Transport Equipment |
|---|---|---|---|---|---|---|---|---|---|
| 1986 | 101.1 | 163.0 | 100.9 | 96.2 | 101.0 | 98.4 | 104.3 | 103.6 | 93.8 |
| 1987 | 97.4 | 264.3 | 96.9 | 89.4 | 93.6 | 100.6 | 95.4 | 98.8 | 92.4 |
| 1988 | 99.0 | 276.4 | 98.4 | 91.6 | 89.7 | 103.9 | 94.4 | 104.1 | 90.4 |
| 1989 | 106.8 | 261.2 | 106.3 | 92.3 | 98.8 | 110.2 | 104.1 | 128.3 | 98.2 |
| 1990 | 109.3 | 216.6 | 108.9 | 92.2 | 103.0 | 112.8 | 107.3 | 125.1 | 92.6 |

| | Precision Instruments | Nonmetallic Mineral Products | Chemicals | Petroleum and Coal Products | Plastic Products | Pulp, Paper and Paper Products | Textiles | Food and Tobacco Products | Other |
|---|---|---|---|---|---|---|---|---|---|
| 1986 | 118.8 | 104.4 | 102.3 | 99.4 | 100.5 | 104.6 | 103.3 | 99.4 | 99.1 |
| 1987 | 112.8 | 98.7 | 98.2 | 98.5 | 99.8 | 107.2 | 97.0 | 95.5 | 95.9 |
| 1988 | 101.5 | 96.4 | 102.3 | 99.7 | 104.8 | 106.4 | 98.7 | 93.2 | 103.7 |
| 1989 | 113.8 | 99.9 | 112.8 | 104.3 | 112.2 | 122.8 | 103.8 | 86.1 | 113.1 |
| 1990 | 101.2 | 104.3 | 118.7 | 113.5 | 112.2 | 134.0 | 107.1 | 91.8 | 120.1 |

Source: Ministry of International Trade and Industry

Table 11: Japan's Index of Consumption of Materials, 1986-1990

(1985 = 100)

| | Manufacturing | Steel | Non-ferrous Metals | Fabricated Metal Products | Machinery | Nonmetallic Mineral Products | Chemicals | Petroleum and Coal Products | Plastic Products | Pulp, Paper and Paper Products | Textiles | Other Industries |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 96.1 | 89.7 | 100.2 | 99.3 | 94.9 | 99.1 | 99.5 | 95.7 | 102.1 | 101.7 | 94.3 | 97.6 |
| 1987 | 97.6 | 90.4 | 104.7 | 104.9 | 95.2 | 102.9 | 105.7 | 93.1 | 108.3 | 106.9 | 94.0 | 101.1 |
| 1988 | 105.4 | 98.9 | 111.5 | 110.2 | 105.5 | 111.3 | 113.7 | 96.5 | 116.1 | 115.0 | 93.6 | 104.0 |
| 1989 | 110.6 | 102.0 | 115.1 | 114.6 | 111.8 | 115.5 | 120.9 | 101.4 | 121.3 | 122.7 | 93.1 | 106.1 |
| 1990 | 115.9 | 104.8 | 121.8 | 116.5 | 119.2 | 119.8 | 126.0 | 109.3 | 126.7 | 126.7 | 90.6 | 106.0 |

Source: Ministry of International Trade and Industry

Table 12: Japan's Index of Inventories of Materials, 1986-1990

(1985 = 100)

| | Manufacturing | Steel | Non-ferrous Metals | Fabricated Metal Products | Machinery | Nonmetallic Mineral Products | Chemicals | Petroleum and Coal Products | Plastic Products | Pulp, Paper and Paper Products | Textiles | Other Industries |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 95.1 | 98.2 | 77.7 | 92.2 | 89.1 | 94.9 | 99.6 | 99.6 | 89.7 | 94.8 | 93.4 | 99.6 |
| 1987 | 91.4 | 91.8 | 64.3 | 88.0 | 82.6 | 90.8 | 100.0 | 97.0 | 99.7 | 90.7 | 91.6 | 100.5 |
| 1988 | 94.7 | 97.3 | 65.0 | 91.6 | 91.1 | 92.8 | 100.4 | 97.9 | 102.9 | 96.1 | 95.9 | 100.1 |
| 1989 | 95.0 | 97.8 | 63.4 | 93.6 | 97.2 | 100.1 | 105.0 | 88.6 | 104.2 | 102.8 | 97.1 | 102.1 |
| 1990 | 97.0 | 101.9 | 63.9 | 94.9 | 102.6 | 105.4 | 105.9 | 87.8 | 108.1 | 104.6 | 96.5 | 104.3 |

Source: Ministry of International Trade and Industry

Table 13: Japan's Index of Manufacturing Operating Rates, 1986-1990

(1985 = 100)

| | Total | Steel | Non-ferrous Metals | Fabricated Metal Products | Nonelectric Machinery | Electric Machinery | Transport Equipment | Precision Instruments | Nonmetallic Mineral Products | Chemicals | Petroleum and Coal Products | Pulp, Paper and Paper Products | Textiles |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 95.4 | 93.9 | 98.8 | 98.5 | 87.7 | 92.4 | 95.9 | 95.2 | 96.7 | 99.9 | 95.9 | 102.8 | 99.1 |
| 1987 | 95.5 | 95.6 | 104.8 | 103.4 | 83.1 | 90.1 | 95.0 | 88.8 | 95.4 | 104.3 | 97.4 | 109.6 | 98.2 |
| 1988 | 101.1 | 105.9 | 109.1 | 112.5 | 94.3 | 91.6 | 98.6 | 93.3 | 101.6 | 109.5 | 104.1 | 118.6 | 99.8 |
| 1989 | 103.3 | 110.4 | 111.6 | 119.5 | 100.1 | 88.6 | 102.2 | 83.7 | 106.0 | 111.0 | 110.6 | 124.3 | 100.0 |
| 1990 | 105.7 | 114.2 | 114.3 | 121.8 | 102.6 | 92.3 | 103.2 | 90.3 | 111.7 | 111.8 | 120.1 | 127.0 | 99.7 |

Source: Ministry of International Trade and Industry

Table 14: Residential Construction Starts in Japan, 1986-1990

(units)

| | | Type of Housing | | Owner-Occupant Relationship | | | |
|---|---|---|---|---|---|---|---|
| | Total | Public | Private | Owner-Built | Developer-Built | Rental Units | Other |
| 1986 | 1,364,609 | 80,780 | 1,283,829 | 477,050 | 220,155 | 645,886 | 21,518 |
| 1987 | 1,674,300 | 80,719 | 1,593,581 | 546,316 | 246,861 | 858,726 | 22,397 |
| 1988 | 1,684,644 | 84,466 | 1,600,178 | 508,660 | 293,311 | 858,665 | 24,008 |
| 1989 | 1,662,612 | 78,674 | 1,583,938 | 504,228 | 312,005 | 817,186 | 29,193 |
| 1990 | 1,707,109 | 78,494 | 1,628,615 | 486,527 | 379,600 | 806,097 | 34,885 |

Source: Ministry of Construction

Table 15: Japan's Labor Force Survey, 1986-1990

(in thousands of persons)

| | Working-Age Population* | Total Labor Force | Employed Labor Force | Totally Unemployed Labor Force | Unemployment Rate | Not in Labor Force | Ratio of Job Openings to Applications** |
|---|---|---|---|---|---|---|---|
| 1986 | 95,870 | 60,200 | 58,530 | 1,670 | 2.8% | 35,130 | 0.62 |
| 1987 | 97,200 | 60,840 | 59,110 | 1,730 | 2.8 | 35,840 | 0.70 |
| 1988 | 98,490 | 61,660 | 60,110 | 1,550 | 2.5 | 36,350 | 1.01 |
| 1989 | 99,740 | 62,700 | 61,280 | 1,420 | 2.3 | 36,550 | 1.26 |
| 1990 | 100,890 | 63,840 | 62,490 | 1,340 | 2.1 | 36,570 | 1.40 |

*People 15 years old and over.
**Excludes applications by new school graduates but includes those by people seeking part-time work.

Source: Management and Coordination Agency and Ministry of Labor

Table 16: Employment Index of Regular Workers in Japan, 1986-1990*

(1990 = 100)

| | Total | Mining | Construction | Manufacturing | Foods and Tobacco | Textiles | Apparel | Lumber and Wood Products | Pulp and Paper Products | Publishing | Chemicals | Petroleum and Coal Products | Nonmetallic Mineral Products | Steel |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 92.8 | 134.3 | 91.0 | 97.1 | 93.0 | 105.8 | 95.5 | 97.8 | 98.1 | 88.6 | 97.8 | 114.3 | 98.1 | 111.5 |
| 1987 | 93.3 | 125.4 | 93.2 | 95.6 | 94.4 | 103.6 | 95.0 | 101.0 | 98.2 | 90.1 | 98.7 | 108.2 | 97.5 | 105.3 |
| 1988 | 94.7 | 117.1 | 95.3 | 96.2 | 96.0 | 101.9 | 95.8 | 101.7 | 98.1 | 93.6 | 99.4 | 103.0 | 97.0 | 101.2 |
| 1989 | 97.1 | 107.7 | 97.5 | 97.9 | 97.7 | 100.8 | 98.2 | 99.4 | 98.2 | 96.6 | 99.5 | 100.2 | 97.5 | 101.0 |
| 1990 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

| | Nonferrous Metals | Fabricated Metal Products | Nonelectric Machinery | Electric Machinery | Transport Equipment | Precision Instruments | Utilities | Transportation and Communications | Wholesale and Retail Trade | Finance and Insurance | Real Estate | Services |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 97.3 | 91.4 | 96.2 | 96.9 | 97.8 | 103.9 | 101.1 | 100.3 | 87.4 | 92.5 | 79.3 | 87.2 |
| 1987 | 96.5 | 91.7 | 94.1 | 94.7 | 93.3 | 99.5 | 101.5 | 97.4 | 90.4 | 95.3 | 82.9 | 89.5 |
| 1988 | 96.2 | 94.1 | 94.4 | 95.9 | 92.9 | 98.4 | 101.0 | 97.2 | 92.7 | 96.2 | 86.7 | 92.2 |
| 1989 | 97.8 | 97.3 | 96.9 | 97.8 | 96.1 | 100.1 | 100.0 | 98.6 | 95.7 | 98.0 | 92.4 | 95.8 |
| 1990 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

*Establishments with 30 or more regular workers.

Source: Ministry of Labor

Table 17: Nominal Wage Index of Regular Workers in Japan, 1986-1990*

(1990 = 100)

| | Total | Mining | Construction | Manufacturing | Foods and Tobacco | Textiles | Apparel | Lumber and Wood Products | Pulp and Paper Products | Publishing | Chemicals | Petroleum and Coal Products | Nonmetallic Mineral Products | Steel |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 86.9 | 86.4 | 81.2 | 84.5 | 85.7 | 86.7 | 82.6 | 81.5 | 87.6 | 95.9 | 83.7 | 81.9 | 85.0 | 83.8 |
| 1987 | 88.6 | 87.5 | 83.4 | 85.9 | 87.0 | 89.7 | 84.5 | 84.7 | 89.5 | 96.2 | 86.6 | 84.5 | 87.0 | 82.3 |
| 1988 | 91.7 | 89.6 | 87.6 | 89.8 | 88.2 | 91.9 | 88.4 | 88.2 | 92.2 | 94.6 | 90.3 | 90.0 | 92.7 | 86.6 |
| 1989 | 95.5 | 94.5 | 93.3 | 95.0 | 93.4 | 96.6 | 94.8 | 93.6 | 99.1 | 95.3 | 95.5 | 95.5 | 96.4 | 93.7 |
| 1990 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

| | Nonferrous Metals | Fabricated Metal Products | Nonelectric Machinery | Electric Machinery | Transport Equipment | Precision Instruments | Utilities | Transportation and Communications | Wholesale and Retail Trade | Finance and Insurance | Real Estate | Services |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 83.4 | 85.6 | 83.3 | 82.1 | 84.6 | 81.1 | 85.8 | 84.6 | 87.5 | 92.1 | 79.1 | 91.4 |
| 1987 | 85.6 | 86.3 | 84.3 | 84.8 | 84.9 | 81.8 | 87.7 | 87.7 | 88.8 | 94.6 | 81.5 | 92.4 |
| 1988 | 89.8 | 89.9 | 89.9 | 88.6 | 91.1 | 88.0 | 90.9 | 91.9 | 91.3 | 97.6 | 85.1 | 93.9 |
| 1989 | 93.9 | 95.9 | 94.6 | 94.4 | 95.3 | 93.0 | 95.0 | 95.6 | 95.2 | 99.3 | 95.9 | 95.7 |
| 1990 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

*Establishments with 30 or more regular workers.

Source: Ministry of Labor

Table 18: Average Monthly Wages of Manufacturing Employees in Japan by Industry, 1986-1990

(in thousands of yen)

| | Total | Foods and Tobacco | Textiles | Pulp and Paper Products | Chemicals | Nonmetallic Mineral Products | Steel | Nonferrous Metals | Fabricated Metal Products | Nonelectric Machinery | Electric Machinery | Transport Equipment | Precision Instruments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | Y305.4 | Y250.6 | Y216.9 | Y322.0 | Y402.8 | Y299.2 | Y392.1 | Y345.1 | Y298.5 | Y334.9 | Y283.6 | Y348.3 | Y288.9 |
| 1987 | 313.2 | 259.6 | 224.2 | 331.7 | 419.2 | 308.1 | 385.2 | 354.6 | 302.6 | 340.7 | 296.2 | 352.4 | 292.2 |
| 1988 | 318.7 | 245.4 | 227.3 | 329.5 | 421.5 | 325.9 | 403.9 | 373.6 | 312.6 | 362.7 | 299.1 | 369.6 | 310.5 |
| 1989 | 336.6 | 256.7 | 239.2 | 351.1 | 443.6 | 338.1 | 438.3 | 389.7 | 333.6 | 380.6 | 318.9 | 388.7 | 325.7 |
| 1990 | 352.0 | 263.0 | 250.4 | 349.4 | 460.0 | 350.7 | 467.3 | 414.6 | 350.8 | 399.2 | 338.5 | 405.6 | 349.1 |

Note: Includes overtime pay and bonuses.

Source: Ministry of Labor

Table 19: Index of Labor Productivity in Japan, 1986-1990

(1985 = 100)

| | Total | Mining | Manufacturing | Foods | Textiles | Lumber and Wood Products | Pulp and Paper Products | Nonmetallic Mineral Products | Rubber Products | Chemicals |
|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 101.9 | 108.4 | 101.8 | 101.4 | 100.8 | 112.9 | 105.7 | 99.8 | 99.7 | 104.2 |
| 1987 | 107.8 | 123.8 | 107.7 | 100.4 | 102.5 | 107.3 | 113.3 | 105.6 | 104.9 | 113.2 |
| 1988 | 120.2 | 137.0 | 120.1 | 104.6 | 107.8 | 112.9 | 123.5 | 125.5 | 112.0 | 122.2 |
| 1989 | 127.7 | 141.0 | 127.6 | 108.0 | 109.8 | 108.7 | 133.5 | 133.0 | 118.3 | 132.3 |
| 1990 | 133.1 | 151.3 | 133.0 | 105.4 | 110.2 | 104.6 | 139.1 | 140.9 | 121.4 | 140.6 |

| | Plastic Products | Petroleum and Coal Products | Steel | Nonferrous Metals | Fabricated Metal Products | Nonelectric Machinery | Electric Machinery | Transport Equipment | Precision Instruments |
|---|---|---|---|---|---|---|---|---|---|
| 1986 | 100.2 | 103.5 | 97.9 | 101.2 | 102.1 | 97.3 | 102.9 | 101.0 | 109.1 |
| 1987 | 105.6 | 107.4 | 107.1 | 109.1 | 108.4 | 102.8 | 114.5 | 102.9 | 118.1 |
| 1988 | 111.9 | 119.6 | 121.5 | 114.6 | 116.5 | 119.3 | 134.5 | 113.0 | 138.7 |
| 1989 | 115.0 | 131.5 | 128.3 | 122.3 | 119.4 | 132.9 | 144.7 | 120.4 | 148.1 |
| 1990 | 120.7 | 146.7 | 133.3 | 130.4 | 121.3 | 135.9 | 150.5 | 129.0 | 167.9 |

Source: Japan Productivity Center

Table 20: Japan's Consumer Price Index, 1986-1990

(1985 = 100)

| | Total | | | | | Furniture and | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Index | Change | Food | Housing | Utilities | Housewares | Clothing | Medical Care | Transportation | Education | Recreation | Miscellaneous |
| 1986 | 100.6 | 0.6% | 100.2 | 102.5 | 95.0 | 100.0 | 102.2 | 101.9 | 99.3 | 103.6 | 101.5 | 102.0 |
| 1987 | 100.7 | 0.1 | 99.3 | 105.4 | 88.0 | 99.4 | 103.3 | 103.8 | 100.0 | 107.1 | 102.0 | 103.2 |
| 1988 | 101.4 | 0.7 | 100.0 | 107.6 | 85.9 | 98.9 | 104.5 | 104.2 | 99.5 | 110.7 | 102.6 | 103.6 |
| 1989 | 103.7 | 2.3 | 102.2 | 110.8 | 85.6 | 99.4 | 109.1 | 105.8 | 100.6 | 115.1 | 105.9 | 105.1 |
| 1990 | 106.9 | 3.1 | 106.3 | 114.2 | 87.6 | 99.5 | 114.3 | 106.3 | 102.0 | 120.8 | 109.5 | 106.3 |

Source: Management and Coordination Agency

Table 21: Japan's Wholesale Price Index by Industry, 1986-1990

(1985 = 100)

| | Total Index | Total Change | Foods | Textiles | Lumber and Wood Products | Pulp, Paper and Paper Products | Chemicals | Plastic Products | Petroleum and Products | Nonmetallic Mineral Products | Steel | Nonferrous Metals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 90.9 | -9.1% | 99.4 | 91.8 | 95.2 | 96.3 | 89.4 | 95.6 | 76.9 | 98.1 | 90.1 | 83.2 |
| 1987 | 87.5 | -3.7 | 98.5 | 90.5 | 105.0 | 94.5 | 85.7 | 92.1 | 64.3 | 96.5 | 86.9 | 83.1 |
| 1988 | 86.6 | -1.0 | 97.9 | 90.3 | 103.2 | 95.3 | 86.1 | 92.2 | 60.8 | 95.8 | 90.7 | 90.6 |
| 1989 | 88.8 | 2.5 | 99.1 | 93.0 | 111.1 | 98.3 | 86.0 | 94.3 | 63.9 | 97.9 | 95.2 | 96.7 |
| 1990 | 90.6 | 2.0 | 101.6 | 93.8 | 115.7 | 98.9 | 88.2 | 96.0 | 73.8 | 100.6 | 95.5 | 94.7 |

| | Metal Products | Nonelectric Machinery | Electric Machinery | Transport Equipment | Precision Instruments | Miscellaneous Manufactures | Agricultural, Forestry and Fishery Products | Mining Products | Utilities |
|---|---|---|---|---|---|---|---|---|---|
| 1986 | 98.4 | 96.3 | 89.8 | 94.8 | 98.2 | 97.3 | 91.0 | 56.4 | 95.3 |
| 1987 | 95.6 | 93.8 | 84.3 | 92.6 | 97.4 | 95.3 | 86.7 | 50.8 | 89.0 |
| 1988 | 97.7 | 93.4 | 80.4 | 90.8 | 94.4 | 95.8 | 87.2 | 45.6 | 84.0 |
| 1989 | 101.5 | 96.4 | 79.7 | 91.9 | 93.1 | 99.7 | 89.8 | 50.2 | 81.1 |
| 1990 | 103.9 | 99.1 | 77.8 | 93.2 | 94.9 | 102.3 | 91.4 | 57.6 | 80.4 |

Source: Bank of Japan

Table 22: Japan's Wholesale Price Index by End-Use Classification, 1986-1990

(1985 = 100)

| | Domestic Products | | | | | | | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Intermediate Goods | | | | Final Goods | | | | | | | |
| | | | | | | | | Consumer Goods | | | | | | |
| | Total | Raw Materials | Total | Semi-finished Goods | Construction Materials | Fuels and Energy | Capital Goods | Total | Durables | Nondurables | Total | Semi-finished Goods | Capital Goods | Consumer Goods |
| 1986 | 91.8 | 66.5 | 92.0 | 91.3 | 97.5 | 85.6 | 97.7 | 98.0 | 97.4 | 98.1 | 84.9 | 80.0 | 89.2 | 87.0 |
| 1987 | 88.5 | 62.4 | 88.2 | 87.7 | 98.7 | 74.7 | 95.5 | 95.7 | 94.5 | 96.2 | 80.6 | 75.7 | 85.2 | 82.7 |
| 1988 | 87.8 | 59.9 | 88.2 | 88.5 | 100.4 | 69.9 | 95.2 | 93.9 | 90.9 | 95.0 | 78.8 | 75.9 | 83.2 | 78.3 |
| 1989 | 89.8 | 64.4 | 90.7 | 91.2 | 104.9 | 69.6 | 97.6 | 93.9 | 86.2 | 96.8 | 82.3 | 81.0 | 86.6 | 80.5 |
| 1990 | 91.7 | 69.6 | 92.4 | 92.0 | 108.6 | 73.5 | 99.1 | 94.9 | 84.6 | 98.8 | 84.0 | 81.3 | 89.4 | 83.0 |

Source: Bank of Japan

Table 23: Japan's Global Balance of Payments, 1986-1990

(in millions of dollars, IMF value basis, seasonally unadjusted)

| | | Trade Balance | Exports | Imports | Services | Transfers | Current Account Balance | Long-Term Capital | Basic Balance | Short-Term Capital | Errors and Omissions | Overall Balance | Gold and Foreign Exchange Reserves* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | | $92,827 | $205,591 | $112,764 | $-4,932 | $-2,050 | $85,845 | $-131,461 | $-45,616 | $-1,609 | $2,458 | $-44,767 | $42,239 |
| 1987 | | 96,386 | 224,605 | 128,219 | -5,702 | -3,669 | 87,015 | -136,532 | -49,517 | 23,865 | -3,893 | -29,545 | 81,479 |
| 1988 | | 95,012 | 259,765 | 164,753 | -11,263 | -4,118 | 79,631 | -130,930 | -51,299 | 19,521 | 2,796 | -28,982 | 97,662 |
| 1989 | | 76,917 | 269,570 | 192,653 | -15,526 | -4,234 | 57,157 | -89,246 | -32,089 | 20,811 | -22,008 | -33,286 | 84,895 |
| 1990 | | 63,528 | 280,374 | 216,846 | -22,292 | -5,475 | 35,761 | -43,586 | -7,825 | 21,468 | -20,877 | -7,234 | 77,053 |
| 1989 | January | 4,887 | 19,033 | 14,146 | -2,196 | -186 | 2,505 | -4,580 | -2,075 | 2,447 | 2,387 | 2,759 | 98,177 |
| | February | 8,521 | 22,017 | 13,496 | -994 | -272 | 7,255 | -3,511 | 3,744 | 4,295 | -2,849 | 5,190 | 98,830 |
| | March | 7,903 | 25,895 | 17,992 | -405 | -1,194 | 6,304 | 2,479 | 8,783 | 2,892 | 4,330 | 16,005 | 99,353 |
| | April | 8,098 | 22,804 | 14,706 | -1,288 | -229 | 6,581 | -16,368 | -9,787 | -4,821 | -8,624 | -23,232 | 100,361 |
| | May | 5,162 | 21,387 | 16,225 | -1,531 | -192 | 3,439 | -12,511 | -9,072 | -3,173 | -211 | -12,456 | 95,694 |
| | June | 6,534 | 22,369 | 15,835 | -2,073 | -198 | 4,263 | -1,922 | 2,341 | 6,851 | -384 | 8,808 | 89,462 |
| | July | 7,028 | 23,027 | 15,999 | -1,348 | -182 | 5,498 | -7,188 | -1,690 | -2,329 | -6,820 | -10,839 | 88,865 |
| | August | 4,872 | 21,447 | 16,575 | -1,153 | -289 | 3,430 | -3,626 | -196 | 2,416 | -793 | 1,427 | 88,318 |
| | September | 7,870 | 23,683 | 15,813 | -1,522 | -319 | 6,029 | -10,745 | -4,716 | 16,986 | -3,931 | 8,339 | 86,117 |
| | October | 5,485 | 22,437 | 16,952 | -1,446 | -306 | 3,733 | -25,677 | -21,944 | -14,734 | -188 | -36,866 | 84,293 |
| | November | 4,133 | 21,410 | 17,277 | 261 | -287 | 4,107 | -8,821 | -4,714 | 4,907 | 38 | 231 | 84,747 |
| | December | 6,424 | 24,061 | 17,637 | -1,831 | -580 | 4,013 | 3,224 | 7,237 | 5,074 | -4,963 | 7,348 | 84,895 |
| 1990 | January | 1,069 | 18,216 | 17,147 | -1,393 | -235 | -559 | -2,698 | -3,257 | -1,124 | -144 | -4,525 | 82,717 |
| | February | 5,352 | 21,646 | 16,294 | -341 | -194 | 4,817 | -7,905 | -3,088 | 4,846 | 3,458 | 5,216 | 80,443 |
| | March | 7,972 | 25,598 | 17,626 | 1,033 | -958 | 8,047 | -5,483 | 2,564 | 4,436 | -7,757 | -757 | 73,496 |
| | April | 3,976 | 21,218 | 17,242 | -1,821 | -195 | 1,960 | -5,377 | -3,417 | -12,321 | -4,098 | -19,836 | 73,024 |
| | May | 2,618 | 21,162 | 18,544 | -1,140 | -79 | 1,399 | -5,607 | -4,208 | 10,023 | 3,076 | 8,891 | 73,557 |
| | June | 7,020 | 23,130 | 16,110 | -2,318 | -169 | 4,533 | -8,001 | -3,468 | 5,433 | 1,043 | 3,008 | 73,649 |
| | July | 5,323 | 23,404 | 18,081 | -3,038 | -360 | 1,925 | -8,062 | -6,137 | -3,668 | -2,927 | -12,732 | 74,585 |
| | August | 4,061 | 21,941 | 17,880 | -2,941 | -270 | 850 | -4,886 | -4,036 | 3,807 | 79 | -150 | 75,315 |
| | September | 7,765 | 25,155 | 17,390 | -2,066 | -1,074 | 4,625 | 5,701 | 10,326 | 4,257 | -3,798 | 10,785 | 75,323 |
| | October | 5,838 | 26,087 | 20,249 | -2,725 | -419 | 2,694 | 7,031 | 9,725 | -4,259 | -5,937 | -471 | 76,190 |
| | November | 4,432 | 25,054 | 20,622 | -2,481 | -266 | 1,685 | -2,932 | -1,247 | 4,306 | 2,842 | 5,901 | 76,672 |
| | December | 8,102 | 27,763 | 19,661 | -3,061 | -1,256 | 3,785 | -5,367 | -1,582 | 5,732 | -6,714 | -2,564 | 77,053 |

*End of period.

Note: For capital transactions, credits (+) indicate net inflows and debits (-) indicate net outflows.

Source: Bank of Japan and Ministry of Finance

Table 24: Japan's Balance of Payments with the United States, 1986-1990

(in millions of dollars, IMF value basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Merchandise Trade Balance | $54,919 | $57,117 | $52,448 | $49,404 | $41,869 |
| Exports | 80,385 | 83,010 | 89,146 | 92,741 | 89,223 |
| Imports | 25,466 | 25,893 | 36,698 | 43,337 | 47,354 |
| Services Balance | -585 | 1,021 | 115 | -1,198 | -3,387 |
| Transportation | 243 | -698 | -1,132 | -1,610 | -2,513 |
| Travel | -2,012 | -3,106 | -5,721 | -7,554 | -8,301 |
| Investment Income | 3,231 | 7,300 | 11,364 | 14,318 | 16,257 |
| Other | -2,047 | -2,475 | -4,396 | -6,352 | -8,830 |
| Official | 1,931 | 1,751 | 1,578 | 1,307 | 1,068 |
| Private | -3,978 | -4,226 | -5,974 | -7,659 | -9,898 |
| Unilateral Transfers Balance | -552 | -1,460 | -1,243 | -723 | -829 |
| Official | -92 | -779 | -588 | -613 | -757 |
| Private | -460 | -681 | -655 | -110 | -72 |
| Current Account Balance | 53,782 | 56,678 | 51,320 | 47,483 | 37,653 |
| | | | | | |
| Long-Term Capital (net) | -65,650 | -61,030 | -59,260 | -53,861 | -11,719 |
| Direct Investments (net) | -7,774 | -9,018 | -19,568 | -22,768 | -24,986 |
| Trade Credits (net) | -334 | -489 | -1,024 | -1,255 | -633 |
| Loans (net) | -690 | -1,663 | -2,830 | -4,761 | -2,783 |
| Stocks and Bonds (net) | -55,944 | -48,223 | -33,320 | -22,074 | 19,849 |
| Other (net) | -908 | -1,637 | -2,518 | -3,003 | -3,166 |
| | | | | | |
| Basic Balance | -11,868 | -4,352 | -7,940 | -6,378 | 25,934 |

Note: For long-term capital transactions, credits (+) indicate net inflows and debits (-) indicate net outflows.

Source: Bank of Japan

Table 25: Japan's Exports and Imports in Dollar Terms, 1986-1990

(in millions of dollars, customs clearance basis, seasonally unadjusted)

| | | Exports (f.o.b.) | Change Over Year-Earlier Period | Imports (c.i.f.) | Change Over Year-Earlier Period | Trade Balance |
|---|---|---|---|---|---|---|
| 1986 | | $209,151 | 19.1% | $126,408 | -2.4% | $82,743 |
| 1987 | | 229,221 | 9.6 | 149,515 | 18.3 | 79,706 |
| 1988 | | 264,917 | 15.6 | 187,354 | 25.3 | 77,563 |
| 1989 | | 275,175 | 3.9 | 210,847 | 12.5 | 64,328 |
| 1990 | | 286,948 | 4.3 | 234,799 | 11.4 | 52,149 |
| 1989 | January | 19,359 | 11.7 | 16,113 | 13.0 | 3,246 |
| | February | 22,379 | 10.6 | 15,149 | 1.0 | 7,230 |
| | March | 26,489 | 16.6 | 19,881 | 30.3 | 6,608 |
| | April | 23,218 | 3.3 | 15,930 | 1.5 | 7,288 |
| | May | 21,702 | 5.1 | 17,946 | 16.1 | 3,756 |
| | June | 22,683 | 2.9 | 17,416 | 8.2 | 5,266 |
| | July | 23,456 | 1.3 | 17,461 | 9.4 | 5,995 |
| | August | 21,825 | 4.7 | 18,458 | 16.3 | 3,367 |
| | September | 24,314 | 4.9 | 17,129 | 11.1 | 7,186 |
| | October | 23,019 | -1.8 | 18,368 | 16.6 | 4,651 |
| | November | 22,078 | -2.7 | 18,550 | 15.1 | 3,528 |
| | December | 24,655 | -5.8 | 18,446 | 12.1 | 6,208 |
| 1990 | January | 18,669 | -3.6 | 18,349 | 13.9 | 319 |
| | February | 22,002 | -1.7 | 17,035 | 12.5 | 4,968 |
| | March | 26,034 | -1.7 | 18,999 | -4.4 | 7,034 |
| | April | 21,912 | -5.6 | 18,394 | 15.5 | 3,518 |
| | May | 21,548 | -0.7 | 18,458 | 2.9 | 3,090 |
| | June | 23,772 | 4.8 | 17,102 | -1.8 | 6,669 |
| | July | 23,910 | 1.9 | 18,576 | 6.4 | 5,334 |
| | August | 22,430 | 2.8 | 19,008 | 3.0 | 3,422 |
| | September | 25,850 | 6.3 | 18,964 | 10.7 | 6,886 |
| | October | 26,718 | 16.1 | 23,486 | 27.9 | 3,232 |
| | November | 25,739 | 16.6 | 23,500 | 26.7 | 2,239 |
| | December | 28,366 | 15.1 | 22,929 | 24.3 | 5,437 |

Source: Ministry of Finance

Table 26: Japan's Exports and Imports in Yen Terms, 1986-1990

(in billions of yen, customs clearance basis, seasonally unadjusted)

| | | Exports (f.o.b.) | Change Over Year-Earlier Period | Imports (c.i.f.) | Change Over Year-Earlier Period | Trade Balance |
|---|---|---|---|---|---|---|
| 1986 | | Y35,290 | -15.9% | Y21,551 | -30.7% | Y13,739 |
| 1987 | | 33,315 | -5.6 | 21,737 | 0.9 | 11,578 |
| 1988 | | 33,939 | 1.9 | 24,006 | 10.4 | 9,933 |
| 1989 | | 37,823 | 11.4 | 28,979 | 20.7 | 8,844 |
| 1990 | | 41,457 | 9.6 | 33,855 | 16.8 | 7,602 |
| 1989 | January | 2,437 | 11.4 | 2,024 | 12.7 | 413 |
| | February | 2,876 | 10.5 | 1,947 | 1.0 | 929 |
| | March | 3,392 | 16.1 | 2,545 | 29.6 | 847 |
| | April | 3,068 | 8.6 | 2,105 | 6.7 | 963 |
| | May | 2,908 | 12.9 | 2,401 | 24.5 | 507 |
| | June | 3,247 | 17.6 | 2,492 | 23.6 | 755 |
| | July | 3,320 | 9.2 | 2,473 | 17.8 | 848 |
| | August | 3,061 | 10.3 | 2,590 | 22.5 | 472 |
| | September | 3,529 | 13.5 | 2,485 | 20.1 | 1,044 |
| | October | 3,286 | 6.2 | 2,619 | 25.4 | 668 |
| | November | 3,151 | 10.9 | 2,647 | 31.0 | 504 |
| | December | 3,548 | 10.8 | 2,653 | 31.9 | 895 |
| 1990 | January | 2,699 | 10.8 | 2,649 | 30.9 | 50 |
| | February | 3,190 | 10.9 | 2,469 | 26.8 | 721 |
| | March | 3,876 | 14.3 | 2,824 | 11.0 | 1,053 |
| | April | 3,445 | 12.3 | 2,888 | 37.2 | 557 |
| | May | 3,380 | 16.3 | 2,900 | 20.8 | 481 |
| | June | 3,624 | 11.6 | 2,604 | 4.5 | 1,020 |
| | July | 3,626 | 9.2 | 2,823 | 14.2 | 803 |
| | August | 3,340 | 9.1 | 2,830 | 9.3 | 509 |
| | September | 3,686 | 4.4 | 2,711 | 9.1 | 975 |
| | October | 3,573 | 8.7 | 3,143 | 20.0 | 430 |
| | November | 3,302 | 4.8 | 3,015 | 13.9 | 287 |
| | December | 3,717 | 4.8 | 3,001 | 13.1 | 716 |

Source: Ministry of Finance

Table 27: Japan's Export and Import Quantum (Volume) Indexes, 1986-1990

(1985 = 100)

| | | Exports | | Imports | |
|---|---|---|---|---|---|
| | | Index | Change Over Year-Earlier Period | Index | Change Over Year-Earlier Period |
| 1986 | | 98.8 | -1.2% | 109.4 | 9.4% |
| 1987 | | 99.2 | 0.4 | 119.3 | 9.0 |
| 1988 | | 103.6 | 4.4 | 139.1 | 16.7 |
| 1989 | | 107.9 | 4.2 | 150.1 | 7.9 |
| 1990 | | 114.0 | 5.7 | 159.1 | 6.0 |
| 1989 | January | 87.3 | 6.3 | 144.8 | 13.0 |
| | February | 101.8 | 5.4 | 132.3 | -2.6 |
| | March | 121.2 | 12.4 | 169.1 | 23.4 |
| | April | 107.0 | 1.9 | 134.9 | -4.4 |
| | May | 100.6 | 4.4 | 150.4 | 10.3 |
| | June | 109.3 | 6.4 | 146.8 | 4.9 |
| | July | 111.4 | 1.5 | 146.1 | 2.9 |
| | August | 104.9 | 6.3 | 156.6 | 13.3 |
| | September | 118.9 | 7.0 | 146.4 | 7.3 |
| | October | 110.4 | 0.4 | 157.0 | 13.4 |
| | November | 104.5 | 0.4 | 158.1 | 8.3 |
| | December | 117.2 | -0.9 | 158.9 | 5.7 |
| 1990 | January | 88.6 | 1.5 | 156.6 | 8.1 |
| | February | 103.8 | 2.0 | 142.1 | 7.4 |
| | March | 126.2 | 4.1 | 160.7 | -5.0 |
| | April | 109.6 | 2.4 | 159.1 | 17.9 |
| | May | 108.8 | 8.2 | 160.7 | 6.8 |
| | June | 118.2 | 8.1 | 148.5 | 1.2 |
| | July | 118.3 | 6.2 | 162.5 | 11.2 |
| | August | 109.7 | 4.6 | 163.9 | 4.7 |
| | September | 121.1 | 1.9 | 151.2 | 3.3 |
| | October | 122.4 | 10.9 | 171.0 | 8.9 |
| | November | 114.7 | 9.8 | 166.1 | 5.1 |
| | December | 126.4 | 7.8 | 167.1 | 5.2 |

Source: Ministry of Finance

Table 28: Japan's Export and Import Yen-Based Price Indexes, 1986-1990

(1985 = 100)

| | | Exports | | Imports | |
|---|---|---|---|---|---|
| | | Index | Change Over Year-Earlier Period | Index | Change Over Year-Earlier Period |
| 1986 | | 84.9 | -15.1% | 64.2 | -35.8% |
| 1987 | | 80.6 | -5.1 | 58.9 | -8.3 |
| 1988 | | 78.8 | -2.2 | 56.2 | -4.6 |
| 1989 | | 82.3 | 4.4 | 60.5 | 7.7 |
| 1990 | | 84.0 | 2.1 | 65.7 | 8.6 |
| 1989 | January | 79.2 | 2.3 | 55.4 | -1.4 |
| | February | 79.4 | 2.1 | 56.7 | 0.7 |
| | March | 80.2 | 3.2 | 57.8 | 2.3 |
| | April | 80.6 | 3.5 | 59.4 | 6.8 |
| | May | 82.1 | 5.7 | 61.5 | 10.6 |
| | June | 84.2 | 7.5 | 62.9 | 10.7 |
| | July | 83.3 | 3.9 | 62.0 | 6.9 |
| | August | 83.0 | 2.7 | 61.8 | 7.1 |
| | September | 84.2 | 3.8 | 62.6 | 8.3 |
| | October | 83.3 | 4.4 | 61.7 | 9.2 |
| | November | 83.8 | 7.0 | 61.9 | 14.8 |
| | December | 83.8 | 7.2 | 61.9 | 15.3 |
| 1990 | January | 84.2 | 6.3 | 62.6 | 13.0 |
| | February | 84.2 | 6.0 | 63.4 | 11.8 |
| | March | 86.1 | 7.4 | 65.9 | 14.0 |
| | April | 87.9 | 9.1 | 67.3 | 13.3 |
| | May | 86.5 | 5.4 | 65.8 | 7.0 |
| | June | 86.1 | 2.3 | 64.8 | 3.0 |
| | July | 85.2 | 2.3 | 63.2 | 1.9 |
| | August | 85.1 | 2.2 | 64.0 | 3.6 |
| | September | 82.3 | -2.3 | 66.4 | 6.1 |
| | October | 80.0 | -4.0 | 67.7 | 9.7 |
| | November | 79.8 | -4.8 | 68.4 | 10.5 |
| | December | 81.1 | -3.2 | 69.0 | 11.5 |

Source: Bank of Japan

Table 29: Yen-Dollar Exchange Rate Used to Convert Customs Clearance Trade Data, 1986-1990*

| | Exports | Imports |
|---|---|---|
| 1986 Average | Y169.99 | Y170.08 |
| 1987 Average | 145.90 | 146.01 |
| 1988 Average | 128.13 | 128.15 |
| 1989 Average | 137.34 | 137.26 |
| 1990 Average | 145.10 | 145.09 |
| 1989 January | 125.88 | 125.64 |
| February | 128.50 | 128.49 |
| March | 128.06 | 128.00 |
| April | 132.12 | 132.12 |
| May | 133.[illegible] | 133.78 |
| June | 143.14 | 143.06 |
| July | 141.54 | 141.60 |
| August | 140.27 | 140.29 |
| September | 145.15 | 145.10 |
| October | 142.77 | 142.58 |
| November | 142.72 | 142.67 |
| December | 143.91 | 143.83 |
| 1990 January | 144.57 | 144.36 |
| February | 144.98 | 144.93 |
| March | 148.90 | 148.61 |
| April | 157.20 | 156.99 |
| May | 156.86 | 157.09 |
| June | 152.45 | 152.28 |
| July | 151.64 | 151.95 |
| August | 148.85 | 148.90 |
| September | 142.59 | 142.96 |
| October | 133.73 | 133.82 |
| November | 128.30 | 128.31 |
| December | 131.03 | 130.86 |

*Reflects the exchange rate that prevailed at the time export or import contracts were signed.

Source: Ministry of Finance

Table 30: Yen-Dollar Exchange Rate on Tokyo Foreign Exchange Market, 1986-1990

(average for period)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Average | Y168.52 | Y144.64 | Y128.15 | Y137.96 | Y144.79 |
| January | 200.07 | 154.48 | 127.56 | 127.23 | 145.09 |
| February | 184.64 | 153.48 | 129.16 | 127.77 | 145.53 |
| March | 178.93 | 151.54 | 127.28 | 130.36 | 153.08 |
| April | 175.62 | 142.98 | 124.93 | 132.08 | 158.47 |
| May | 166.83 | 140.54 | 124.77 | 138.35 | 153.52 |
| June | 167.95 | 144.48 | 127.14 | 143.79 | 153.77 |
| July | 158.60 | 150.21 | 133.07 | 140.72 | 149.28 |
| August | 154.00 | 147.56 | 133.63 | 141.11 | 147.42 |
| September | 154.72 | 143.00 | 134.44 | 145.05 | 138.99 |
| October | 155.95 | 143.54 | 129.02 | 141.93 | 129.73 |
| November | 162.64 | 135.25 | 123.19 | 143.52 | 129.08 |
| December | 162.29 | 128.59 | 123.63 | 143.66 | 133.55 |

Source: International Monetary Fund

Table 31: Japan's Exports by Major Market, 1986-1990

(in millions of dollars, f.o.b. value basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Total Exports | $209,151 | $229,221 | $264,917 | $275,175 | $286,948 |
| Developed Countries | 131,149 | 142,883 | 161,847 | 167,358 | 169,964 |
| United States | 80,456 | 83,580 | 89,634 | 93,189 | 90,322 |
| Canada | 5,526 | 5,611 | 6,424 | 6,807 | 6,727 |
| Western Europe | 37,483 | 45,555 | 56,023 | 56,494 | 63,332 |
| United Kingdom | 6,647 | 8,400 | 10,632 | 10,741 | 10,786 |
| Netherlands | 3,261 | 4,071 | 5,054 | 5,112 | 6,165 |
| Belgium | 2,198 | 2,697 | 3,390 | 3,455 | 3,807 |
| France | 3,152 | 4,014 | 4,987 | 5,298 | 6,128 |
| West Germany | 10,477 | 12,833 | 15,793 | 15,920 | 17,782 |
| Spain | 1,076 | 1,343 | 1,860 | 1,942 | 2,092 |
| Italy | 1,723 | 2,103 | 2,787 | 2,783 | 3,409 |
| European Community | 30,675 | 37,693 | 46,873 | 47,908 | 53,518 |
| Sweden | 1,438 | 1,931 | 2,320 | 2,174 | 1,954 |
| Switzerland | 1,887 | 2,266 | 2,775 | 2,664 | 2,931 |
| Austria | 764 | 1,006 | 1,406 | 1,327 | 1,616 |
| Australia | 5,227 | 5,146 | 6,680 | 7,805 | 6,900 |
| New Zealand | 1,103 | 1,128 | 1,039 | 1,346 | 1,206 |
| South Africa | 1,355 | 1,863 | 2,047 | 1,717 | 1,477 |
| Developing Countries | 63,934 | 74,402 | 89,250 | 95,173 | 107,142 |
| Latin America | 9,495 | 8,760 | 9,297 | 9,381 | 10,280 |
| Mexico | 1,032 | 1,389 | 1,772 | 1,908 | 2,271 |
| Panama | 3,197 | 2,416 | 2,653 | 2,512 | 2,893 |
| Chile | 294 | 353 | 368 | 636 | 483 |
| Brazil | 973 | 879 | 998 | 1,310 | 1,225 |
| Southeast Asia | 41,788 | 52,982 | 67,109 | 73,516 | 82,721 |
| South Korea | 10,475 | 13,229 | 15,441 | 16,561 | 17,457 |
| Taiwan | 7,852 | 11,346 | 14,354 | 15,421 | 15,430 |
| Hong Kong | 7,161 | 8,872 | 11,706 | 11,526 | 13,072 |
| Thailand | 2,030 | 2,953 | 5,162 | 6,838 | 9,126 |
| Singapore | 4,577 | 6,008 | 8,311 | 9,239 | 10,708 |
| Malaysia | 1,708 | 2,168 | 3,060 | 4,124 | 5,511 |
| Philippines | 1,088 | 1,415 | 1,740 | 2,381 | 2,504 |
| Indonesia | 2,662 | 2,990 | 3,054 | 3,301 | 5,040 |
| India | 2,099 | 1,957 | 2,082 | 2,018 | 1,708 |
| Middle East and North Africa | 9,795 | 9,177 | 9,438 | 8,559 | 9,877 |
| Iran | 1,145 | 1,043 | 808 | 922 | 1,617 |
| Saudi Arabia | 2,762 | 3,239 | 3,142 | 2,763 | 3,341 |
| Kuwait | 1,220 | 857 | 731 | 671 | 398 |
| Qatar | 148 | 151 | 173 | 211 | 152 |
| Oman | 288 | 262 | 348 | 334 | 420 |
| United Arab Emirates | 1,033 | 1,118 | 1,286 | 1,296 | 1,550 |
| Subsaharan Africa | 2,178 | 2,894 | 2,760 | 2,892 | 3,409 |
| Communist Countries | 14,064 | 11,924 | 13,818 | 12,644 | 9,842 |
| China | 9,856 | 8,250 | 9,476 | 8,516 | 6,130 |
| U.S.S.R. | 3,150 | 2,563 | 3,130 | 3,082 | 2,563 |

Source: Ministry of Finance

Table 32: Japan's Imports by Major Supplier, 1986-1990

(in millions of dollars, c.i.f. value basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Total Imports | $126,408 | $149,515 | $187,354 | $210,847 | $234,799 |
| Developed Countries | 62,233 | 71,610 | 94,785 | 107,313 | 119,316 |
| United States | 29,054 | 31,491 | 42,037 | 48,246 | 52,369 |
| Canada | 4,895 | 6,073 | 8,308 | 8,645 | 8,392 |
| Western Europe | 18,118 | 22,749 | 30,578 | 35,126 | 42,617 |
| United Kingdom | 3,573 | 3,057 | 4,193 | 4,466 | 5,239 |
| Netherlands | 577 | 757 | 996 | 1,122 | 1,170 |
| Belgium | 677 | 859 | 1,125 | 1,430 | 1,557 |
| France | 1,855 | 2,871 | 4,315 | 5,546 | 7,590 |
| West Germany | 4,298 | 6,150 | 8,101 | 8,995 | 11,487 |
| Spain | 297 | 357 | 537 | 556 | 793 |
| Italy | 1,495 | 2,135 | 2,895 | 3,806 | 5,008 |
| European Community | 13,989 | 17,670 | 24,071 | 28,146 | 35,028 |
| Sweden | 575 | 682 | 977 | 1,086 | 1,292 |
| Switzerland | 2,571 | 3,101 | 3,565 | 3,863 | 4,082 |
| Austria | 247 | 349 | 442 | 521 | 705 |
| Australia | 6,980 | 7,869 | 10,285 | 11,605 | 12,369 |
| New Zealand | 956 | 1,168 | 1,644 | 1,657 | 1,727 |
| South Africa | 2,229 | 2,259 | 1,933 | 2,035 | 1,843 |
| Developing Countries | 55,941 | 67,277 | 78,704 | 87,946 | 98,502 |
| Latin America | 6,194 | 6,356 | 8,313 | 8,871 | 9,851 |
| Mexico | 1,439 | 1,625 | 1,591 | 1,730 | 1,931 |
| Panama | 84 | 69 | 137 | 85 | 111 |
| Chile | 535 | 617 | 1,023 | 1,322 | 1,622 |
| Brazil | 1,875 | 2,032 | 2,950 | 2,999 | 3,173 |
| Southeast Asia | 29,489 | 38,627 | 47,802 | 52,906 | 54,601 |
| South Korea | 5,292 | 8,076 | 11,811 | 12,994 | 11,707 |
| Taiwan | 4,691 | 7,128 | 8,744 | 8,979 | 8,496 |
| Hong Kong | 1,074 | 1,561 | 2,109 | 2,219 | 2,173 |
| Thailand | 1,391 | 1,796 | 2,751 | 3,583 | 4,147 |
| Singapore | 1,463 | 2,048 | 2,339 | 2,952 | 3,571 |
| Malaysia | 3,846 | 4,772 | 4,710 | 5,107 | 5,402 |
| Philippines | 1,221 | 1,353 | 2,044 | 2,060 | 2,157 |
| Indonesia | 7,311 | 8,427 | 9,497 | 11,021 | 12,721 |
| India | 1,297 | 1,530 | 1,804 | 1,978 | 2,075 |
| Middle East and North Africa | 18,427 | 20,197 | 19,602 | 23,054 | 31,336 |
| Iran | 1,383 | 1,556 | 1,164 | 1,792 | 3,460 |
| Saudi Arabia | 5,205 | 7,311 | 6,348 | 7,048 | 10,462 |
| Kuwait | 1,157 | 1,796 | 1,590 | 2,339 | 1,711 |
| Qatar | 1,127 | 880 | 1,139 | 1,546 | 2,153 |
| Oman | 1,616 | 1,414 | 1,690 | 1,530 | 1,957 |
| United Arab Emirates | 5,947 | 5,408 | 5,324 | 6,051 | 9,085 |
| Subsaharan Africa | 1,356 | 1,435 | 2,011 | 2,043 | 1,877 |
| Communist Countries | 8,232 | 10,628 | 13,863 | 15,584 | 16,977 |
| China | 5,652 | 7,401 | 9,859 | 11,146 | 12,054 |
| U.S.S.R. | 1,972 | 2,352 | 2,766 | 3,005 | 3,351 |

Source: Ministry of Finance

Table 33: Japan's Trade Balance with Major Trading Partners, 1986-1990

(in millions of dollars; exports f.o.b., imports c.i.f.)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Overall Balance | $82,743 | $79,706 | $77,563 | $64,328 | $52,149 |
| Developed Countries | 68,917 | 71,273 | 67,062 | 60,045 | 50,648 |
| United States | 51,401 | 52,090 | 47,597 | 44,943 | 37,954 |
| Canada | 631 | -462 | -1,884 | -1,838 | -1,666 |
| Western Europe | 19,365 | 22,806 | 25,445 | 21,368 | 20,715 |
| United Kingdom | 3,073 | 5,343 | 6,439 | 6,275 | 5,547 |
| Netherlands | 2,684 | 3,314 | 4,059 | 3,991 | 4,996 |
| Belgium | 1,521 | 1,837 | 2,265 | 2,024 | 2,250 |
| France | 1,297 | 1,143 | 672 | -247 | -1,462 |
| West Germany | 6,180 | 6,682 | 7,692 | 6,925 | 6,295 |
| Spain | 779 | 987 | 1,324 | 1,385 | 1,300 |
| Italy | 228 | -32 | -108 | -1,023 | -1,600 |
| European Community | 16,687 | 20,024 | 22,802 | 19,761 | 18,490 |
| Sweden | 864 | 1,250 | 1,343 | 1,088 | 661 |
| Switzerland | -684 | -835 | -790 | -1,199 | -1,151 |
| Austria | 517 | 658 | 964 | 806 | 910 |
| Australia | -1,754 | -2,723 | -3,604 | -3,800 | -5,469 |
| New Zealand | 147 | -41 | -605 | -310 | -521 |
| South Africa | -874 | -396 | 114 | -318 | -366 |
| Developing Countries | 7,993 | 7,126 | 10,546 | 7,227 | 8,640 |
| Latin America | 3,301 | 2,405 | 984 | 510 | 429 |
| Mexico | -407 | -236 | 182 | 178 | 340 |
| Panama | 3,113 | 2,348 | 2,516 | 2,427 | 2,782 |
| Chile | -240 | -264 | -655 | -686 | -1,139 |
| Brazil | -902 | -1,154 | -1,952 | -1,689 | -1,948 |
| Southeast Asia | 12,299 | 14,355 | 19,307 | 20,611 | 28,120 |
| South Korea | 5,183 | 5,154 | 3,631 | 3,567 | 5,751 |
| Taiwan | 3,161 | 4,218 | 5,611 | 6,442 | 6,934 |
| Hong Kong | 6,087 | 7,312 | 9,598 | 9,307 | 10,899 |
| Thailand | 639 | 1,157 | 2,410 | 3,256 | 4,979 |
| Singapore | 3,113 | 3,961 | 5,972 | 6,287 | 7,137 |
| Malaysia | -2,137 | -2,604 | -1,650 | -983 | 110 |
| Philippines | -133 | 62 | -304 | 321 | 347 |
| Indonesia | -4,649 | -5,437 | -6,443 | -7,720 | -7,682 |
| India | 802 | 427 | 277 | 41 | -367 |
| Middle East and North Africa | -8,632 | -11,020 | -10,164 | -14,496 | -21,459 |
| Iran | -239 | -512 | -356 | -870 | -1,843 |
| Saudi Arabia | -2,443 | -4,072 | -3,206 | -4,285 | -7,120 |
| Kuwait | 63 | -939 | -860 | -1,668 | -1,314 |
| Qatar | -979 | -729 | -967 | -1,335 | -2,001 |
| Oman | -1,328 | -1,152 | -1,342 | -1,196 | -1,537 |
| United Arab Emirates | -4,915 | -4,290 | -4,038 | -4,755 | -7,534 |
| Subsaharan Africa | 822 | 1,459 | 749 | 849 | 1,532 |
| Communist Countries | 5,832 | 1,297 | -44 | -2,940 | -7,135 |
| China | 4,204 | 848 | -383 | -2,630 | -5,924 |
| U.S.S.R. | 1,178 | 211 | 364 | 77 | -788 |

Source: Ministry of Finance

Table 34: Japan's Exports by Commodity, 1986-1990

(in millions of dollars, f.o.b. value basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Total Exports | $209,151 | $229,221 | $264,917 | $275,175 | $286,948 |
| Food and Live Animals | 1,366 | 1,424 | 1,568 | 1,547 | 1,482 |
| Fish and Fish Products | 766 | 732 | 781 | 747 | 664 |
| Beverages and Tobacco | 110 | 121 | 129 | 140 | 164 |
| Crude Materials (excl. fuels) | 1,414 | 1,490 | 1,761 | 1,829 | 1,838 |
| Rubber | 365 | 400 | 472 | 469 | 504 |
| Textile Fibers and Waste | 695 | 708 | 848 | 827 | 838 |
| Mineral Fuels | 588 | 782 | 596 | 972 | 1,283 |
| Petroleum Products | 379 | 550 | 359 | 692 | 1,100 |
| Animal and Vegetable Oils and Fats | 91 | 85 | 157 | 83 | 98 |
| Chemicals | 9,484 | 11,662 | 13,964 | 14,776 | 15,872 |
| Chemical Elements and Compounds | 3,953 | 4,979 | 6,000 | 6,627 | 6,857 |
| Organic Chemicals | 3,141 | 4,017 | 4,892 | 5,440 | 5,640 |
| Inorganic Chemicals | 799 | 941 | 1,082 | 1,156 | 1,188 |
| Dyeing, Tanning and Coloring Materials | 707 | 857 | 1,028 | 1,108 | 1,224 |
| Pharmaceuticals | 513 | 589 | 717 | 768 | 879 |
| Plastic Materials | 2,843 | 3,406 | 4,002 | 3,968 | 4,386 |
| Manufactured Goods Classified Mainly by Material | 29,600 | 30,126 | 35,213 | 35,567 | 34,486 |
| Tires and Other Rubber Manufactures | 2,040 | 2,240 | 3,085 | 3,478 | 3,572 |
| Tires and Tubes for Motor Vehicles | 1,642 | 1,515 | 1,780 | 1,983 | 1,961 |
| Paper and Paper Products | 1,184 | 1,407 | 1,586 | 1,618 | 2,001 |
| Textiles (excl. fibers and apparel) | 5,445 | 5,545 | 5,472 | 5,471 | 5,793 |
| Yarn and Thread | 1,152 | 1,118 | 1,108 | 1,109 | 1,117 |
| Woven Fabrics | 3,706 | 3,742 | 3,598 | 3,572 | 3,857 |
| Made-up Articles (excl. clothing) | 586 | 686 | 767 | 790 | 819 |
| Nonmetallic Mineral Manufactures | 2,362 | 2,523 | 2,936 | 3,053 | 3,226 |
| Glass and Glassware | 686 | 803 | 940 | 989 | 996 |
| Tableware | 566 | 556 | 537 | 523 | 529 |
| Steel | 12,706 | 12,610 | 15,322 | 14,789 | 12,509 |
| Bars, Rods, Shapes and Sections | 2,076 | 1,688 | 2,027 | 1,983 | 1,656 |
| Plates, Sheets, Coils and Strip | 6,574 | 7,552 | 8,883 | 9,168 | 7,449 |
| Tubes, Pipes and Fittings | 3,399 | 2,843 | 4,190 | 3,400 | 3,184 |
| Nonferrous Metals | 1,564 | 1,772 | 2,142 | 2,246 | 2,400 |
| Copper and Alloys | 721 | 854 | 1,083 | 1,172 | 1,146 |
| Aluminum and Alloys | 606 | 668 | 622 | 635 | 761 |
| Metal Manufactures | 3,913 | 3,636 | 4,287 | 4,542 | 4,632 |
| Finished Structural Parts and Structures | 694 | 441 | 331 | 320 | 282 |
| Nails and Industrial Fasteners | 514 | 519 | 720 | 742 | 785 |
| Tools | 897 | 958 | 1,183 | 1,252 | 1,231 |

(continued)

Table 34: Japan's Exports by Commodity, 1986-1990 (continued)

(in millions of dollars, f.o.b. value basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Machinery and Transport Equipment | $133,326 | $149,563 | $183,765 | $192,134 | $201,250 |
| Nonelectric Machinery | 38,381 | 44,755 | 56,048 | 61,085 | 63,512 |
| Power Generating Machinery | 4,940 | 5,904 | 6,738 | 7,454 | 7,731 |
| Steam Generating Boilers and Boiler Plants | 567 | 488 | 235 | 236 | 378 |
| Internal Combustion Engines | 3,842 | 4,876 | 5,939 | 6,542 | 6,541 |
| Agricultural Machinery | 1,183 | 1,298 | 1,006 | 868 | 828 |
| Tractors | 869 | 920 | 696 | 613 | 555 |
| Office Machinery | 11,305 | 14,392 | 18,406 | 19,278 | 20,618 |
| Typewriters | 574 | 366 | 258 | 181 | 162 |
| Calculators | 556 | 445 | 426 | 427 | 354 |
| Data Processing Equipment | 7,270 | 9,375 | 11,393 | 11,242 | 12,172 |
| Metalworking Machinery | 3,637 | 3,475 | 3,927 | 4,324 | 4,324 |
| Lathes | 676 | 628 | 783 | 940 | 945 |
| Textile Machinery | 1,384 | 1,852 | 2,161 | 2,552 | 2,951 |
| Sewing Machines | 671 | 861 | 980 | 1,084 | 1,095 |
| Printing and Bookbinding Machinery | 616 | 636 | 837 | 1,033 | 1,123 |
| Construction and Mining Machinery | 2,187 | 2,179 | 2,400 | 2,523 | 2,671 |
| Excavators | 1,062 | 1,191 | 1,776 | 1,890 | 1,970 |
| Heating and Cooling Machinery | 1,793 | 2,032 | 2,530 | 2,716 | 2,805 |
| Pumps and Centrifuges | 1,912 | 2,159 | 3,876 | 4,146 | 4,224 |
| Air and Gas Compressors | 740 | 855 | 1,520 | 1,620 | 1,505 |
| Mechanical Handling Equipment | 1,975 | 1,991 | 2,583 | 2,949 | 3,046 |
| Bearings | 806 | 919 | 1,217 | 1,382 | 1,458 |
| Electric Machinery | 35,519 | 40,883 | 61,975 | 64,454 | 65,925 |
| Electric Power Machinery | 2,453 | 2,724 | 3,405 | 3,528 | 3,652 |
| Generators | 490 | 469 | 488 | 539 | 568 |
| Motors | 681 | 808 | 1,155 | 1,172 | 1,248 |
| Switchboards and Control Panels | 810 | 877 | 1,066 | 1,163 | 1,080 |
| Insulated Wire and Cable | 744 | 693 | 827 | 902 | 947 |
| Telecommunications Equipment | 13,644 | 15,071 | * | * | * |
| Televisions | 1,727 | 1,422 | * | * | * |
| Radios | 2,756 | 2,464 | * | * | * |
| Microphones, Loudspeakers and Amplifiers | 1,111 | 1,169 | * | * | * |
| Household Electric Appliances | 1,874 | 1,713 | 1,485 | 1,198 | 1,136 |
| Batteries | 579 | 729 | 930 | 960 | 1,036 |
| Electronic Tubes and Semiconductors | 6,342 | 8,312 | 12,327 | 14,123 | 13,348 |
| Tubes | 1,339 | 1,795 | 2,242 | 2,239 | 2,169 |
| Discrete Devices | 3,185 | 4,212 | 1,709 | 1,798 | 1,868 |
| Integrated Circuits | n.a. | n.a. | 6,603 | 8,354 | 7,586 |
| Automotive Electrical Equipment | 944 | 1,146 | 1,269 | 1,482 | 1,547 |
| Electronic Measuring and Controlling Instruments | 1,477 | 1,681 | 2,322 | 2,753 | 2,747 |
| Condensers | 654 | 826 | 1,131 | 1,118 | 1,161 |
| Transport Equipment | 59,426 | 63,925 | 65,741 | 66,596 | 71,814 |
| Railway Equipment | 365 | 624 | 573 | 385 | 352 |
| Road Motor Vehicles | 42,676 | 44,942 | 48,787 | 48,469 | 50,959 |
| Cars | 32,945 | 35,693 | 38,671 | 38,804 | 41,348 |
| Assembled Trucks and Buses | 8,022 | 7,324 | 9,628 | 9,124 | 9,061 |
| Truck and Bus Chassis with Engines | 1,633 | 1,815 | 350 | 398 | 438 |

(continued)

Table 34: Japan's Exports by Commodity, 1986-1990 (continued)

(in millions of dollars, f.o.b. value basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Road Motor Vehicle Parts | $8,253 | $10,714 | $9,131 | $9,902 | $10,850 |
| Motorcycles and Parts | 2,686 | 2,628 | 2,368 | 2,458 | 2,758 |
| Bicycles and Parts | 387 | 402 | 594 | 532 | 852 |
| Ships and Boats | 4,879 | 4,360 | 3,947 | 4,428 | 5,566 |
| Tankers | 726 | 718 | 769 | 1,108 | 1,735 |
| Cargo Ships | 2,509 | 1,805 | 1,338 | 1,827 | 2,461 |
| Miscellaneous Manufactured Goods | 31,125 | 31,599 | 24,174 | 24,183 | 25,893 |
| Clothing | 734 | 665 | 588 | 563 | 564 |
| Scientific, Medical and Optical Instruments | 12,408 | 9,448 | 10,835 | 11,181 | 11,554 |
| Copying Machines | n.a. | n.a. | 2,324 | 2,397 | 2,434 |
| Cameras Lenses | 542 | 548 | 508 | 446 | 488 |
| Still Cameras | 1,601 | 1,617 | 1,673 | 1,721 | 1,706 |
| Measuring Instruments | 845 | 945 | 1,195 | 1,228 | 1,323 |
| Watches and Clocks | 1,963 | 1,981 | 2,365 | 2,156 | 2,292 |
| Stereo Equipment and Audio and Videocassette Recorders and Players | 11,229 | 10,085 | * | * | * |
| Videocassette Recorders | 7,416 | 5,900 | * | * | * |
| Photographic Supplies | n.a. | n.a. | 2,577 | 2,617 | 2,788 |
| Film in Rolls | n.a. | n.a. | 783 | 763 | 823 |
| Phonograph Records and Tapes | 2,044 | 1,969 | 2,041 | 1,960 | 2,254 |
| Musical Instruments | 966 | 1,31 | 1,341 | 1,145 | 1,153 |
| Plastic Products | 464 | 486 | 556 | 609 | 638 |
| Office and Stationery Supplies | 528 | 582 | 697 | 706 | 791 |
| Unclassified Commodities | 2,048 | 2,369 | 3,591 | 3,943 | 4,582 |
| *Addendum: | | | | | |
| Visual Equipment | | | 12,117 | 11,645 | 13,058 |
| Televisions | | | 1,779 | 1,666 | 2,071 |
| Videocassette Recorders and Players | | | 6,203 | 6,091 | 6,395 |
| Television Cameras | | | 4,136 | 3,888 | 4,592 |
| Audio Equipment | | | 6,373 | 6,222 | 6,472 |
| Radios | | | 2,212 | 2,181 | 2,474 |
| Tape Recorders | | | 1,599 | 1,619 | 1,451 |
| Compact Disk Players | | | 1,328 | 1,261 | 1,294 |
| Microphones, Loudspeakers and Amplifiers | | | 1,235 | 1,162 | 1,253 |
| Parts of Audio-Visual Equipment | | | 3,127 | 3,169 | 3,282 |
| Telephone and Telegraph Equipment | | | 6,629 | 6,425 | 6,035 |
| Facsimile Machines | | | 2,811 | 2,553 | 2,002 |

Source: Ministry of Finance

Table 35: Japan's Imports by Commodity, 1986-1990

(in millions of dollars, c.i.f. value basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Total Imports | $126,408 | $149,515 | $187,354 | $210,847 | $234,799 |
| Food and Live Animals | 18,246 | 20,752 | 26,960 | 28,130 | 28,249 |
| Meat and Meat Products | 2,587 | 3,338 | 4,313 | 4,899 | 5,011 |
| Fresh and Frozen Beef | 554 | 800 | 1,190 | 1,645 | 1,885 |
| Fresh and Frozen Pork | 1,041 | 1,417 | 1,653 | 1,634 | 1,671 |
| Fresh and Frozen Poultry | 274 | 322 | 437 | 501 | 553 |
| Dairy Products and Eggs | 260 | 292 | 499 | 539 | 502 |
| Fish and Fish Products | 6,426 | 7,992 | 10,461 | 10,033 | 10,508 |
| Fresh and Frozen Shrimp and Lobster | 1,966 | 2,510 | 2,848 | 2,590 | 2,833 |
| Fresh and Frozen Salmon | 571 | 643 | 1,070 | 932 | 961 |
| Grains and Cereal Products | 3,485 | 3,160 | 4,241 | 4,796 | 4,584 |
| Wheat | 886 | 785 | 1,034 | 1,188 | 1,006 |
| Corn for Mixed Feed | 1,158 | 1,101 | 1,490 | 1,603 | 1,652 |
| Sorghum for Mixed Feed | 462 | 326 | 422 | 507 | 485 |
| Fruits and Vegetables | 2,364 | 2,832 | 3,706 | 3,939 | 3,896 |
| Fruits | 1,518 | 1,757 | 2,128 | 2,267 | 2,225 |
| Vegetables | 846 | 1,075 | 1,578 | 1,672 | 1,671 |
| Sugar | 279 | 290 | 456 | 517 | 519 |
| Coffee | 1,130 | 838 | 888 | 891 | 642 |
| Animal Feeds | 671 | 776 | 1,225 | 1,259 | 1,304 |
| Beverages and Tobacco | 941 | 1,643 | 2,160 | 2,882 | 3,323 |
| Alcoholic Beverages | 372 | 574 | 855 | 1,313 | 1,715 |
| Cigarettes | 184 | 512 | 751 | 944 | 1,036 |
| Crude Materials (excl. fuels) | 17,292 | 21,751 | 27,633 | 30,248 | 28,055 |
| Hides and Skins | 563 | 585 | 761 | 696 | 771 |
| Oilseeds and Oil Nuts | 1,568 | 1,617 | 2,153 | 2,124 | 2,087 |
| Soybeans | 1,072 | 1,087 | 1,426 | 1,352 | 1,259 |
| Rapeseed | 303 | 329 | 497 | 514 | 557 |
| Rubber | 578 | 661 | 965 | 833 | 736 |
| Logs and Lumber | 4,044 | 6,227 | 7,122 | 8,201 | 7,472 |
| Logs | 2,923 | 4,348 | 4,546 | 5,055 | 4,501 |
| Lumber | 1,106 | 1,879 | 2,576 | 3,146 | 2,970 |
| Wood Pulp | 1,124 | 1,441 | 1,980 | 2,479 | 1,922 |
| Textile Fibers and Waste | 1,863 | 2,702 | 3,309 | 3,337 | 2,643 |
| Wool | 621 | 1,017 | 1,447 | 1,382 | 1,019 |
| Cotton | 817 | 1,137 | 1,318 | 1,382 | 1,205 |
| Crude Minerals | 943 | 1,069 | 1,348 | 1,615 | 1,681 |
| Metal Ores, Concentrates and Scrap | 5,763 | 6,120 | 8,488 | 9,333 | 9,119 |
| Iron Ore and Concentrates | 2,759 | 2,618 | 2,853 | 3,147 | 3,374 |
| Nonferrous Ores | 2,080 | 2,404 | 4,104 | 4,683 | 4,342 |
| Copper | 1,228 | 1,476 | 2,472 | 2,583 | 2,441 |
| Zinc | 171 | 197 | 293 | 446 | 517 |
| Nonferrous Scrap | 544 | 773 | 1,090 | 1,099 | 1,068 |
| Aluminum Scrap | 341 | 531 | 695 | 686 | 485 |

(continued)

Table 35: Japan's Imports by Commodity, 1986-1990 (continued)

(in millions of dollars, c.i.f. value basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Mineral Fuels | $36,904 | $39,137 | $38,356 | $43,053 | $56,732 |
| Coal | 4,927 | 4,634 | 5,375 | 5,859 | 6,187 |
| Coking Coal | 3,956 | 3,582 | 4,127 | 4,312 | 4,498 |
| Petroleum and Products | 24,117 | 27,445 | 25,807 | 29,823 | 41,254 |
| Crude Petroleum | 19,481 | 20,663 | 18,852 | 21,544 | 31,584 |
| Petroleum Products | 4,636 | 6,782 | 6,955 | 8,279 | 9,670 |
| Residual Fuel Oil | 1,093 | 1,477 | 1,165 | 1,308 | 1,656 |
| Natural and Manufactured Gas | 7,843 | 7,022 | 7,128 | 7,304 | 9,227 |
| Liquefied Petroleum Gas | 2,092 | 1,970 | 1,953 | 1,842 | 2,540 |
| Liquefied Methane Gas | 5,751 | 5,052 | 5,170 | 5,457 | 6,685 |
| Animal and Vegetable Oils and Fats | 245 | 271 | 407 | 423 | 412 |
| Chemicals | 9,733 | 11,845 | 14,830 | 15,949 | 16,045 |
| Chemical Elements and Compounds | 4,566 | 5,470 | 6,889 | 7,180 | 6,935 |
| Organic Chemicals | 2,849 | 3,494 | 4,555 | 4,659 | 4,457 |
| Inorganic Chemicals | 767 | 869 | 1,130 | 1,297 | 1,194 |
| Dyeing, Tanning and Coloring Materials | 420 | 542 | 652 | 680 | 700 |
| Pharmaceuticals | 1,724 | 2,110 | 2,658 | 2,731 | 2,834 |
| Bulk Antibiotics | 374 | 451 | 534 | 524 | 479 |
| Plastic Materials | 981 | 1,163 | 1,474 | 1,641 | 1,660 |
| Manufactured Goods Classified Mainly by Material | 12,390 | 18,055 | 27,340 | 30,767 | 30,934 |
| Tires and Other Rubber Manufactures | 310 | 437 | 602 | 709 | 745 |
| Wood Manufactures | 1,033 | 1,678 | 2,071 | 2,901 | 2,980 |
| Plywood | n.a. | n.a. | 610 | 1,068 | 1,031 |
| Wood Chips | 679 | 819 | 1,069 | 1,357 | 1,433 |
| Paper and Paper Products | 747 | 873 | 1,144 | 1,258 | 1,121 |
| Textiles (excl. fibers and apparel) | 2,174 | 2,975 | 3,929 | 4,341 | 4,100 |
| Nonmetallic Mineral Manufactures | 1,927 | 2,847 | 4,150 | 4,768 | 5,375 |
| Glass and Glassware | 264 | 350 | 496 | 612 | 699 |
| Diamonds | 939 | 1,429 | 2,078 | 2,232 | 2,547 |
| Steel | 1,762 | 2,484 | 4,625 | 5,069 | 4,584 |
| Ferroalloys | 532 | 581 | 1,103 | 1,256 | 911 |
| Plates, Sheets, Coils and Strip | 429 | 607 | 2,201 | 2,463 | 2,073 |
| Nonferrous Metals | 3,655 | 5,644 | 9,312 | 9,915 | 9,875 |
| Precious Metals | 825 | 1,414 | 1,712 | 1,506 | 1,736 |
| Copper and Alloys | 473 | 691 | 1,274 | 1,698 | 1,929 |
| Aluminum and Alloys | 1,641 | 2,669 | 5,030 | 5,080 | 4,771 |
| Metal Manufactures | 637 | 882 | 1,245 | 1,497 | 1,762 |
| Machinery and Transport Equipment | 13,283 | 17,264 | 24,727 | 29,894 | 37,867 |
| Nonelectric Machinery | 5,318 | 6,746 | 9,322 | 11,467 | 13,983 |
| Power Generating Machinery | 897 | 1,136 | 1,292 | 1,421 | 1,597 |
| Aircraft Engines | 666 | 813 | 924 | 937 | 1,000 |
| Office Machinery | 1,706 | 2,218 | 3,279 | 4,366 | 5,226 |
| Computers, Peripheral Equipment and Parts | 1,671 | 2,169 | 3,210 | 4,286 | 5,132 |
| Metalworking Machinery | 295 | 277 | 436 | 525 | 670 |
| Heating and Cooling Machinery | 222 | 270 | 427 | 513 | 549 |

(continued)

Table 35: Japan's Imports by Commodity, 1986-1990 (continued)

(in millions of dollars, c.i.f. value basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Pumps and Centrifuges | $327 | $408 | $521 | $609 | $791 |
| Electric Machinery | 4,506 | 5,894 | 9,289 | 11,488 | 12,813 |
| Electric Power Machinery | 377 | 470 | 731 | 917 | 1,083 |
| Electronic Tubes and Semiconductors | 1,216 | 1,531 | 2,284 | 2,860 | 3,310 |
| Integrated Circuits | n.a. | n.a. | 1,758 | 2,254 | 2,596 |
| Telecommunications Equipment | 619 | 975 | * | * | * |
| Electronic Measuring and Controlling Instruments | 762 | 918 | 1,530 | 1,808 | 1,849 |
| Transport Equipment | 3,459 | 4,624 | 6,117 | 6,939 | 11,072 |
| Cars | 1,070 | 2,031 | 3,038 | 4,009 | 6,189 |
| Automotive Parts | 245 | 340 | 430 | 559 | 775 |
| Aircraft | 1,777 | 1,742 | 2,024 | 1,656 | 3,165 |
| Miscellaneous Manufactured Goods | 8,634 | 13,396 | 18,702 | 23,722 | 27,012 |
| Furniture | 431 | 665 | 1,033 | 1,241 | 1,425 |
| Travel Goods and Handbags | 327 | 514 | 778 | 1,035 | 1,313 |
| Clothing | 2,853 | 4,649 | 6,702 | 8,942 | 8,704 |
| Footwear | 490 | 784 | 1,108 | 1,117 | 1,283 |
| Scientific, Medical and Optical Instruments | 952 | 1,208 | 1,310 | 1,593 | 1,878 |
| Watches and Clocks | 330 | 427 | 624 | 889 | 1,118 |
| Photographic Supplies | 431 | 489 | 584 | 521 | 511 |
| Phonograph Records and Tapes | 215 | 304 | 471 | 549 | 531 |
| Plastic Products | 229 | 341 | 473 | 561 | 651 |
| Toys and Games | 176 | 391 | 444 | 472 | 530 |
| Sporting Goods | 374 | 558 | 810 | 1,034 | 1,201 |
| Art Works and Antiques | 411 | 989 | 1,712 | 2,565 | 4,223 |
| Unclassified Commodities | 8,742 | 5,402 | 6,240 | 5,780 | 6,169 |
| Nonmonetary Gold | 6,984 | 3,467 | 4,102 | 3,491 | 3,575 |
| *Addendum: | | | | | |
| Audio-Visual Equipment and Parts | | | 1,421 | 1,922 | 1,759 |
| Telephone and Telegraph Equipment | | | 513 | 687 | 857 |

Source: Ministry of Finance

Table 36: Japan's Dollar-Based Trade with the United States, 1986-1990

(in millions of dollars, customs clearance basis, seasonally unadjusted)

| | | Exports (f.o.b.) | Change Over Year-Earlier Period | Imports (c.i.f.) | Change Over Year-Earlier Period | Trade Balance |
|---|---|---|---|---|---|---|
| 1986 | | $80,456 | 23.3% | $29,054 | 12.6% | $51,401 |
| 1987 | | 83,580 | 3.9 | 31,491 | 8.4 | 52,090 |
| 1988 | | 89,634 | 7.2 | 42,037 | 33.5 | 47,597 |
| 1989 | | 93,189 | 4.0 | 48,246 | 14.8 | 44,943 |
| 1990 | | 90,322 | -3.1 | 52,369 | 8.5 | 37,954 |
| 1989 | January | 6,505 | 11.2 | 3,533 | 22.8 | 2,972 |
| | February | 7,571 | 11.1 | 3,424 | 0.0 | 4,147 |
| | March | 8,650 | 20.3 | 4,643 | 22.5 | 4,008 |
| | April | 7,923 | 7.7 | 3,368 | 4.5 | 4,555 |
| | May | 7,140 | 3.4 | 4,383 | 24.9 | 2,757 |
| | June | 7,935 | 8.0 | 4,313 | 15.7 | 3,622 |
| | July | 8,097 | 1.7 | 4,236 | 22.0 | 3,861 |
| | August | 7,340 | 5.1 | 4,326 | 15.8 | 3,014 |
| | September | 8,681 | 7.0 | 3,900 | 12.7 | 4,781 |
| | October | 7,918 | -5.2 | 4,091 | 15.9 | 3,828 |
| | November | 7,657 | -5.0 | 4,095 | 12.6 | 3,563 |
| | December | 7,772 | -10.6 | 3,935 | 7.7 | 3,837 |
| 1990 | January | 6,206 | -4.6 | 4,016 | 13.7 | 2,189 |
| | February | 7,131 | -5.8 | 4,174 | 21.9 | 2,957 |
| | March | 8,325 | -3.8 | 4,563 | -1.7 | 3,761 |
| | April | 6,731 | -15.0 | 4,294 | 27.5 | 2,438 |
| | May | 6,816 | -4.5 | 4,394 | 0.2 | 2,422 |
| | June | 7,391 | -6.9 | 4,173 | -3.2 | 3,218 |
| | July | 7,528 | -7.0 | 4,463 | 5.4 | 3,065 |
| | August | 7,118 | -3.0 | 4,294 | -0.7 | 2,824 |
| | September | 8,286 | -4.5 | 3,972 | 1.8 | 4,314 |
| | October | 8,466 | 6.9 | 4,750 | 16.1 | 3,717 |
| | November | 8,082 | 5.5 | 4,523 | 10.4 | 3,559 |
| | December | 8,242 | 6.0 | 4,753 | 20.8 | 3,489 |

Source: Ministry of Finance

Table 37: Japan's Yen-Based Trade with the United States, 1986-1990

(in billions of yen, customs clearance basis, seasonally unadjusted)

| | | Exports (f.o.b.) | Change Over Year-Earlier Period | Imports (c.i.f.) | Change Over Year-Earlier Period | Trade Balance |
|---|---|---|---|---|---|---|
| 1986 | | Y13,564 | -13.0% | Y4,918 | -20.9% | Y8,646 |
| 1987 | | 12,148 | -10.4 | 4,582 | -6.8 | 7,566 |
| 1988 | | 11,487 | -5.4 | 5,388 | 17.6 | 6,099 |
| 1989 | | 12,816 | 11.6 | 6,632 | 23.1 | 6,184 |
| 1990 | | 13,057 | 1.9 | 7,586 | 14.4 | 5,471 |
| 1989 | January | 819 | 10.9 | 444 | 22.4 | 375 |
| | February | 973 | 10.9 | 440 | -0.1 | 533 |
| | March | 1,108 | 19.7 | 594 | 21.9 | 514 |
| | April | 1,047 | 13.2 | 445 | 9.9 | 602 |
| | May | 957 | 11.0 | 586 | 33.9 | 370 |
| | June | 1,136 | 23.4 | 617 | 32.2 | 519 |
| | July | 1,146 | 9.6 | 600 | 31.5 | 546 |
| | August | 1,030 | 10.8 | 607 | 22.0 | 423 |
| | September | 1,260 | 15.7 | 566 | 21.9 | 694 |
| | October | 1,131 | 2.5 | 583 | 24.6 | 547 |
| | November | 1,093 | 8.2 | 584 | 28.1 | 509 |
| | December | 1,119 | 5.2 | 566 | 26.8 | 553 |
| 1990 | January | 897 | 9.6 | 580 | 30.6 | 317 |
| | February | 1,034 | 6.3 | 605 | 37.5 | 429 |
| | March | 1,240 | 11.9 | 678 | 14.1 | 561 |
| | April | 1,058 | 1.1 | 674 | 51.5 | 384 |
| | May | 1,069 | 11.8 | 690 | 17.7 | 379 |
| | June | 1,127 | -0.8 | 636 | 3.0 | 491 |
| | July | 1,142 | -0.4 | 678 | 13.1 | 463 |
| | August | 1,060 | 2.9 | 639 | 5.4 | 420 |
| | September | 1,182 | -6.2 | 568 | 0.3 | 614 |
| | October | 1,132 | 0.2 | 636 | 9.0 | 497 |
| | November | 1,037 | -5.1 | 580 | -0.7 | 457 |
| | December | 1,080 | -3.4 | 622 | 9.9 | 458 |

Source: Ministry of Finance

Table 38: Japan's Foreign Direct Investment by Country, FY 1986-FY 1990

(in millions of dollars)

| | FY 1986 | FY 1987 | FY 1988 | FY 1989 | FY 1990 | Total March 31, 1991 |
|---|---|---|---|---|---|---|
| United States | $10,165 | $14,704 | $21,701 | $32,540 | $26,128 | $130,529 |
| Canada | 276 | 653 | 626 | 1,362 | 1,064 | 5,656 |
| North America | 10,441 | 15,357 | 22,328 | 33,902 | 27,192 | 136,185 |
| United Kingdom | 984 | 2,473 | 3,956 | 5,239 | 6,806 | 22,598 |
| Netherlands | 651 | 829 | 2,359 | 4,547 | 2,744 | 12,816 |
| Luxembourg | 1,092 | 1,764 | 657 | 654 | 224 | 5,607 |
| West Germany | 210 | 403 | 409 | 1,083 | 1,242 | 4,589 |
| France | 152 | 330 | 463 | 1,135 | 1,257 | 4,156 |
| Switzerland | 91 | 224 | 454 | 397 | 666 | 2,495 |
| Spain | 86 | 283 | 161 | 501 | 320 | 1,887 |
| Belgium | 50 | 70 | 164 | 326 | 367 | 1,720 |
| Europe | 3,469 | 6,576 | 9,116 | 14,808 | 14,294 | 59,265 |
| Indonesia | 250 | 545 | 586 | 631 | 1,105 | 11,540 |
| Hong Kong | 502 | 1,072 | 1,662 | 1,898 | 1,785 | 9,850 |
| Singapore | 302 | 494 | 747 | 1,902 | 840 | 6,555 |
| Thailand | 124 | 250 | 859 | 1,276 | 1,154 | 4,422 |
| South Korea | 436 | 647 | 483 | 606 | 284 | 4,138 |
| Malaysia | 158 | 163 | 387 | 673 | 725 | 3,231 |
| China | 226 | 1,226 | 296 | 438 | 349 | 2,823 |
| Taiwan | 291 | 367 | 372 | 494 | 446 | 2,731 |
| Philippines | 21 | 72 | 134 | 202 | 258 | 1,580 |
| Asia | 2,327 | 4,868 | 5,569 | 8,238 | 7,054 | 47,519 |
| Panama | 2,401 | 2,305 | 1,712 | 2,044 | 1,342 | 16,244 |
| Caymans | 930 | 1,197 | 2,609 | 1,658 | 588 | 7,332 |
| Brazil | 270 | 229 | 510 | 349 | 615 | 6,560 |
| Bahamas | 792 | 734 | 737 | 620 | 121 | 3,459 |
| Mexico | 226 | 28 | 87 | 36 | 168 | 1,874 |
| Bermuda | 16 | 36 | 337 | 228 | 380 | 1,578 |
| Latin America | 4,737 | 4,816 | 6,428 | 5,238 | 3,628 | 40,483 |
| Australia | 881 | 1,222 | 2,413 | 4,256 | 3,669 | 16,063 |
| Oceania | 992 | 1,413 | 2,669 | 4,618 | 4,166 | 18,098 |
| Liberia | 289 | 267 | 648 | 643 | 531 | 4,832 |
| Africa | 309 | 272 | 653 | 671 | 551 | 5,826 |
| Neutral Zone (Saudi Arabia/Kuwait) | 41 | 54 | 20 | 32 | 26 | 1,441 |
| Iran | --- | --- | 1 | 1 | --- | 1,006 |
| Middle East | 44 | 62 | 259 | 66 | 27 | 3,431 |
| Total | 22,320 | 33,364 | 47,022 | 67,540 | 56,911 | 310,808 |

Source: Ministry of Finance

Table 39: Japan's Foreign Direct Investment by Industry, FY 1986-FY 1990

(in millions of dollars)

| | FY 1986 | FY 1987 | FY 1988 | FY 1989 | FY 1990 | Total March 31, 1991 |
|---|---|---|---|---|---|---|
| Manufacturing Sector | $3,806 | $7,832 | $13,805 | $16,284 | $15,486 | $81,613 |
| Food Products | 127 | 328 | 419 | 1,300 | 821 | 4,085 |
| Textiles | 63 | 206 | 317 | 533 | 796 | 3,999 |
| Wood and Paper Products | 57 | 317 | 604 | 555 | 314 | 2,969 |
| Chemicals | 355 | 910 | 1,292 | 2,109 | 2,292 | 10,940 |
| Metals | 328 | 786 | 1,367 | 1,591 | 1,047 | 10,308 |
| Nonelectric Machinery | 626 | 687 | 1,432 | 1,762 | 1,454 | 7,932 |
| Electric Machinery | 987 | 2,421 | 3,041 | 4,480 | 5,684 | 20,360 |
| Transport Equipment | 828 | 1,473 | 1,281 | 2,053 | 1,872 | 10,880 |
| Other | 435 | 703 | 4,051 | 1,901 | 1,207 | 10,138 |
| Nonmanufacturing Sector | 17,949 | 25,080 | 32,634 | 50,517 | 40,620 | 223,136 |
| Agriculture and Forestry | 15 | 97 | 162 | 151 | 153 | 1,358 |
| Fisheries | 52 | 44 | 94 | 47 | 61 | 739 |
| Mining | 669 | 511 | 1,013 | 1,262 | 1,328 | 16,539 |
| Construction | 250 | 87 | 309 | 646 | 300 | 2,389 |
| Trade and Sales | 1,861 | 2,269 | 3,204 | 5,148 | 6,156 | 31,315 |
| Banking, Finance and Insurance | 7,240 | 10,673 | 13,104 | 15,395 | 8,047 | 65,319 |
| Services | 1,560 | 2,780 | 3,732 | 10,616 | 11,292 | 34,667 |
| Transportation | 1,925 | 2,145 | 2,372 | 2,927 | 2,169 | 17,438 |
| Real Estate | 3,997 | 5,428 | 8,641 | 14,143 | 11,107 | 45,849 |
| Other | 379 | 1,047 | 3 | 180 | 6 | 7,523 |
| Branch Offices | 566 | 452 | 584 | 739 | 806 | 5,464 |
| Other Transactions* | --- | --- | --- | --- | --- | 595 |
| Total | 22,320 | 33,364 | 47,022 | 67,540 | 56,911 | 310,808 |

*Certain overseas real estate transactions have been excluded from Japan's foreign direct investment data since December 1, 1980 because of changes in the Foreign Exchange and Foreign Trade Control Law.

Source: Ministry of Finance

Table 40: U.S. International Transactions, 1986-1990

(in millions of dollars, IMF value basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Merchandise Trade Balance | $-145,058 | $-159,500 | $-126,986 | $-115,917 | $-108,115 |
| Exports | 223,367 | 250,266 | 320,337 | 361,451 | 389,550 |
| Imports | 368,425 | 409,766 | 447,323 | 477,368 | 497,665 |
| Services Balance | 15,675 | 13,973 | 15,693 | 25,103 | 38,321 |
| Military | -4,907 | -3,662 | -5,743 | -6,204 | -7,220 |
| Travel | -6,473 | -6,656 | -4,163 | 625 | 1,908 |
| Other Transportation | -2,466 | -1,350 | 319 | 1,996 | 2,232 |
| Investment Income | 10,969 | 7,629 | 5,353 | 2,688 | 11,945 |
| Direct Investments | 25,521 | 33,390 | 36,810 | 42,484 | 52,662 |
| Portfolio Investments | -14,552 | -25,761 | -31,457 | -39,796 | -40,717 |
| Fees and Royalties | 6,192 | 7,644 | 8,721 | 9,776 | 12,647 |
| Other Services | 12,359 | 10,368 | 11,204 | 16,222 | 16,809 |
| Unilateral Transfers Balance | -16,009 | -14,674 | -14,943 | -15,491 | -22,329 |
| Current Account Balance | -145,393 | -160,201 | -126,236 | -106,305 | -92,123 |
| Private Capital Flows (net) | 95,690 | 111,394 | 96,766 | 103,288 | -4,645 |
| Direct Investments (net) | 15,412 | 27,074 | 41,545 | 37,163 | 3,776 |
| Securities (net) | 70,507 | 29,226 | 38,746 | 45,963 | -25,564 |
| Banking Flows (net) | 19,808 | 46,907 | 13,913 | 12,127 | 15,308 |
| Other Flows (net) | -10,037 | 8,187 | 2,562 | 8,035 | 1,835 |
| U.S. Government Assets (other than official reserves) (net) | -2,022 | 1,006 | 2,966 | 1,320 | 2,976 |
| U.S. Official Reserve Assets (net) | 312 | 9,149 | -3,912 | -25,293 | -2,158 |
| Foreign Official Assets (net) | 35,588 | 45,343 | 39,657 | 8,624 | 32,425 |
| Statistical Discrepancy | 15,824 | -6,690 | -9,240 | 18,366 | 63,526 |

Note: For capital transactions, credits (+) indicate net inflows and debits (-) indicate net outflows.

Source: Department of Commerce

Table 41: U.S. Transactions with Japan, 1986-1990

(in millions of dollars, IMF value basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Merchandise Trade Balance | $-54,398 | $-56,959 | $-52,618 | $-49,669 | $-41,690 |
| Exports | 26,354 | 27,619 | 37,183 | 43,863 | 47,977 |
| Imports | 80,752 | 84,578 | 89,801 | 93,532 | 89,667 |
| Services Balance | 694 | -171 | 2,030 | 6,957 | 9,942 |
| Military | -1,830 | -1,705 | -1,730 | -1,362 | -1,230 |
| Travel | 2,542 | 2,369 | 3,054 | 5,181 | 5,543 |
| Other Transportation | -727 | 256 | 437 | 1,233 | 1,273 |
| Investment Income | -1,628 | -3,719 | -3,168 | -2,018 | 651 |
| Direct Investments | 2,378 | 1,475 | 1,420 | 1,433 | 2,350 |
| Portfolio Investments | -4,005 | -5,193 | -4,588 | -3,451 | -1,699 |
| Fees and Royalties | 1,066 | 1,591 | 2,058 | 2,096 | 2,326 |
| Other Services | 1,271 | 1,036 | 1,379 | 1,827 | 1,379 |
| Unilateral Transfers Balance | -87 | -93 | -110 | -132 | 281 |
| Current Account Balance | -53,792 | -57,223 | -50,698 | -42,844 | -31,467 |
| U.S. Government and Private Assets in Japan (net) | -27,145 | -17,360 | -42,049 | -25,100 | 15,797 |
| Japanese Government and Private Assets in United States (net) | 51,253 | 42,716 | 86,501 | 23,057 | -26,826 |
| Statistical Discrepancy | 29,684 | 31,867 | ,246 | 44,886 | 42,497 |

Note: For capital transactions, credits (+) indicate net inflows and debits (-) indicate net outflows.

Source: Department of Commerce

Table 42: U.S. Exports and Imports, 1986-1990*

(in millions of dollars, seasonally unadjusted)

| | | Exports (f.a.s.) | Change Over Year-Earlier Period | Imports (Customs) | Change Over Year-Earlier Period | Trade Balance |
|---|---|---|---|---|---|---|
| 1986 | | $227,159 | 6.6% | $365,438 | 5.8% | $-138,279 |
| 1987 | | 254,122 | 11.9 | 406,241 | 11.2 | -152,119 |
| 1988 | | 322,426 | 26.9 | 440,952 | 8.5 | -118,526 |
| 198 | | 363,812 | 12.8 | 473,211 | 7.3 | -109,399 |
| 1990 | | 393,592 | 8.2 | 495,311 | 4.7 | -101,718 |
| 1989 | January | 27,541 | 18.9 | 36,179 | 9.5 | -8,638 |
| | February | 27,927 | 14.9 | 36,549 | 3.0 | -8,622 |
| | March | 33,243 | 13.3 | 40,197 | 8.7 | -6,954 |
| | April | 31,052 | 16.2 | 38,243 | 9.4 | -7,191 |
| | May | 31,496 | 11.7 | 40,959 | 13.4 | -9,463 |
| | June | 31,820 | 18.7 | 40,544 | 5.2 | -8,724 |
| | July | 28,708 | 14.0 | 39,290 | 11.0 | -10,582 |
| | August | 29,406 | 10.8 | 40,440 | 7.7 | -11,034 |
| | September | 29,710 | 9.8 | 38,680 | 6.5 | -8,971 |
| | October | 31,756 | 11.3 | 43,536 | 12.2 | -11,780 |
| | November | 30,279 | 9.8 | 41,033 | 6.9 | -10,754 |
| | December | 30,874 | 6.5 | 37,561 | -4.6 | -6,687 |
| 1990 | January | 30,664 | 11.3 | 40,304 | 11.4 | -9,640 |
| | February | 30,962 | 10.9 | 37,112 | 1.5 | -6,150 |
| | March | 35,971 | 8.2 | 42,339 | 5.3 | -6,369 |
| | April | 32,617 | 5.0 | 39,144 | 2.4 | -6,527 |
| | May | 33,539 | 6.5 | 40,846 | -0.3 | -7,308 |
| | June | 34,470 | 8.3 | 40,946 | 1.0 | -6,476 |
| | July | 30,736 | 7.1 | 41,495 | 5.6 | -10,759 |
| | August | 31,723 | 7.9 | 42,232 | 4.4 | -10,509 |
| | September | 31,444 | 5.8 | 40,602 | 5.0 | -9,157 |
| | October | 35,310 | 11.2 | 47,395 | 8.9 | -12,085 |
| | November | 33,267 | 9.9 | 43,796 | 6.7 | -10,529 |
| | December | 32,889 | 6.5 | 39,100 | 4.1 | -6,211 |

*The export and import data reflect revisions not necessarily incorporated in other tables. The export statistics cover domestic and foreign merchandise, including Department of Defense shipments.

Source: Department of Commerce

Table 43: U.S. Exports by Major Market, 1986-1990

(in millions of dollars, f.a.s. value basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Total Exports | $227,159 | $254,122 | $322,426 | $363,812 | $393,592 |
| Developed Countries | 151,626 | 165,375 | 206,805 | 234,575 | 256,725 |
| Japan | 26,882 | 28,249 | 37,725 | 44,494 | 48,580 |
| Canada | 55,512 | 59,814 | 71,622 | 78,809 | 83,674 |
| Western Europe | 61,642 | 69,718 | 87,858 | 100,165 | 113,067 |
| United Kingdom | 11,418 | 14,114 | 18,364 | 20,837 | 23,490 |
| West Germany | 10,561 | 11,748 | 14,348 | 16,862 | 18,760 |
| France | 7,216 | 7,943 | 9,970 | 11,579 | 13,665 |
| Netherlands | 7,848 | 8,217 | 10,117 | 11,364 | 13,022 |
| Belgium-Luxembourg | 5,399 | 6,189 | 7,411 | 8,522 | 10,451 |
| Italy | 4,838 | 5,530 | 6,775 | 7,215 | 7,992 |
| Spain | 2,615 | 3,148 | 4,215 | 4,796 | 5,213 |
| Ireland | 1,434 | 1,810 | 2,183 | 2,483 | 2,540 |
| European Community | 53,154 | 60,575 | 75,755 | 86,331 | 98,129 |
| Switzerland | 2,977 | 3,151 | 4,196 | 4,911 | 4,943 |
| Sweden | 1,871 | 1,894 | 2,700 | 3,139 | 3,405 |
| Turkey | 1,160 | 1,483 | 1,850 | 2,003 | 2,243 |
| Norway | 937 | 842 | 929 | 1,037 | 1,281 |
| Australia | 5,551 | 5,495 | 6,973 | 8,331 | 8,538 |
| South Africa | 1,158 | 1,281 | 1,688 | 1,659 | 1,732 |
| Developing Countries | 70,637 | 81,691 | 106,727 | 117,769 | 127,328 |
| Latin America | 27,968 | 31,574 | 40,024 | 44,396 | 49,284 |
| Mexico | 12,392 | 14,582 | 20,628 | 24,982 | 28,279 |
| Brazil | 3,885 | 4,040 | 4,267 | 4,804 | 5,048 |
| Venezuela | 3,141 | 3,586 | 4,612 | 3,025 | 3,108 |
| Colombia | 1,319 | 1,412 | 1,754 | 1,924 | 2,029 |
| Dominican Republic | 921 | 1,142 | 1,359 | 1,645 | 1,656 |
| East Asian Newly Industrialized Countries | 18,290 | 23,547 | 34,816 | 38,429 | 40,734 |
| South Korea | 6,355 | 8,099 | 11,232 | 13,459 | 14,404 |
| Taiwan | 5,524 | 7,413 | 12,129 | 11,335 | 11,491 |
| Singapore | 3,380 | 4,053 | 5,768 | 7,345 | 8,023 |
| Hong Kong | 3,030 | 3,983 | 5,687 | 6,291 | 6,817 |
| Other Developing Countries | 24,379 | 26,570 | 31,887 | 34,944 | 37,310 |
| Malaysia | 1,730 | 1,897 | 2,142 | 2,871 | 3,425 |
| Thailand | 936 | 1,544 | 1,962 | 2,288 | 2,995 |
| India | 1,536 | 1,463 | 2,500 | 2,458 | 2,486 |
| Philippines | 1,363 | 1,599 | 1,878 | 2,202 | 2,471 |
| Indonesia | 946 | 767 | 1,059 | 1,247 | 1,897 |
| Saudi Arabia | 3,449 | 3,373 | 3,776 | 3,574 | 4,049 |
| Israel | 2,239 | 3,130 | 3,244 | 2,827 | 3,203 |
| Algeria | 453 | 426 | 730 | 756 | 951 |
| Iraq | 528 | 683 | 1,157 | 1,169 | 732 |
| Nigeria | 409 | 295 | 357 | 490 | 553 |
| Eastern Europe and Communist Countries | 5,127 | 5,723 | 8,686 | 11,073 | 9,018 |
| China | 3,106 | 3,497 | 5,021 | 5,755 | 4,806 |
| Soviet Union | 1,248 | 1,480 | 2,769 | 4,285 | 3,087 |

Source: Department of Commerce

Table 44: U.S. Imports by Major Supplier, 1986-1990

(in millions of dollars, Customs value basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Total Imports | $365,438 | $406,241 | $440,952 | $473,211 | $495,311 |
| Developed Countries | 245,956 | 256,553 | 277,575 | 289,882 | 297,444 |
| Japan | 81,911 | 84,575 | 89,519 | 93,553 | 89,684 |
| Canada | 68,253 | 71,085 | 81,398 | 87,953 | 91,380 |
| Western Europe | 89,825 | 95,496 | 100,443 | 101,764 | 109,039 |
| United Kingdom | 15,396 | 17,341 | 17,976 | 18,319 | 20,188 |
| West Germany | 25,124 | 27,069 | 26,362 | 24,833 | 28,162 |
| France | 10,129 | 10,730 | 12,509 | 13,014 | 13,153 |
| Netherlands | 4,066 | 3,964 | 4,559 | 4,810 | 4,952 |
| Belgium-Luxembourg | 4,006 | 4,171 | 4,493 | 4,555 | 4,585 |
| Italy | 10,607 | 11,040 | 11,576 | 11,933 | 12,751 |
| Spain | 2,702 | 2,839 | 3,204 | 3,317 | 3,311 |
| Ireland | 1,003 | 1,112 | 1,375 | 1,566 | 1,755 |
| European Community | 75,736 | 81,188 | 84,939 | 85,153 | 91,877 |
| Switzerland | 5,253 | 4,249 | 4,611 | 4,714 | 5,587 |
| Sweden | 4,420 | 4,758 | 4,985 | 4,892 | 4,937 |
| Turkey | 633 | 821 | 979 | 1,372 | 1,183 |
| Norway | 1,079 | 1,404 | 1,446 | 1,991 | 1,830 |
| Australia | 2,632 | 3,007 | 3,541 | 3,873 | 4,447 |
| South Africa | 2,365 | 1,346 | 1,513 | 1,531 | 1,698 |
| Developing Countries | 117,231 | 141,129 | 152,702 | 169,273 | 180,445 |
| Latin America | 39,541 | 44,371 | 48,789 | 54,816 | 61,035 |
| Mexico | 17,302 | 20,271 | 23,260 | 27,162 | 30,157 |
| Brazil | 6,813 | 7,865 | 9,294 | 8,410 | 7,898 |
| Venezuela | 5,097 | 5,579 | 5,157 | 6,771 | 9,480 |
| Colombia | 1,874 | 2,232 | 2,161 | 2,555 | 3,168 |
| Dominican Republic | 1,085 | 1,163 | 1,410 | 1,646 | 1,752 |
| East Asian Newly Industrialized Countries | 46,136 | 57,664 | 63,060 | 62,774 | 60,573 |
| South Korea | 12,729 | 16,987 | 20,105 | 19,737 | 18,485 |
| Taiwan | 19,791 | 24,622 | 24,714 | 24,313 | 22,666 |
| Singapore | 4,725 | 6,201 | 7,973 | 9,003 | 9,800 |
| Hong Kong | 8,891 | 9,854 | 10,238 | 9,722 | 9,622 |
| Other Developing Countries | 31,554 | 39,094 | 40,853 | 51,683 | 58,837 |
| Malaysia | 2,421 | 2,921 | 3,692 | 4,744 | 5,272 |
| Thailand | 1,748 | 2,220 | 3,210 | 4,380 | 5,289 |
| India | 2,283 | 2,529 | 2,940 | 3,315 | 3,197 |
| Philippines | 1,972 | 2,264 | 2,666 | 3,068 | 3,384 |
| Indonesia | 3,312 | 3,394 | 3,150 | 3,529 | 3,341 |
| Saudi Arabia | 3,612 | 4,433 | 5,620 | 7,157 | 10,021 |
| Israel | 2,418 | 2,639 | 2,972 | 3,239 | 3,313 |
| Algeria | 1,831 | 1,999 | 1,814 | 1,829 | 2,626 |
| Iraq | 440 | 495 | 1,488 | 2,415 | 3,008 |
| Nigeria | 2,530 | 3,573 | 3,279 | 5,284 | 5,982 |
| Eastern Europe and Communist Countries | 6,774 | 8,219 | 10,675 | 14,056 | 17,422 |
| China | 4,771 | 6,293 | 8,511 | 11,990 | 15,237 |
| Soviet Union | 558 | 425 | 586 | 709 | 1,059 |

Source: Department of Commerce

Table 45: U.S. Trade Balance with Major Trading Partners, 1986-1990

(in millions of dollars; exports f.a.s., imports Customs)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Overall Trade Balance | $-138,279 | $-152,119 | $-118,526 | $-109,399 | $-101,718 |
| Developed Countries | -94,330 | -91,178 | -70,770 | -55,306 | -40,719 |
| Japan | -55,030 | -56,326 | -51,794 | -49,059 | -41,105 |
| Canada | -12,741 | -11,271 | -9,776 | -9,144 | -7,707 |
| Western Europe | -28,183 | -25,778 | -12,585 | -1,599 | 4,029 |
| United Kingdom | -3,978 | -3,227 | 388 | 2,518 | 3,302 |
| West Germany | -14,563 | -15,322 | -12,014 | -7,970 | -9,402 |
| France | -2,913 | -2,787 | -2,539 | -1,435 | 511 |
| Netherlands | 3,782 | 4,253 | 5,558 | 6,554 | 8,070 |
| Belgium-Luxembourg | 1,393 | 2,019 | 2,917 | 3,967 | 5,866 |
| Italy | -5,769 | -5,510 | -4,801 | -4,718 | -4,760 |
| Spain | -87 | 310 | 1,012 | 1,479 | 1,901 |
| Ireland | 431 | 699 | 809 | 917 | 784 |
| European Community | -22,582 | -20,613 | -9,183 | 1,178 | 6,252 |
| Switzerland | -2,276 | -1,098 | -415 | 197 | -645 |
| Sweden | -2,549 | -2,865 | -2,285 | -1,753 | -1,533 |
| Turkey | 526 | 661 | 871 | 632 | 1,061 |
| Norway | -142 | -562 | -517 | -955 | -549 |
| Australia | 2,920 | 2,488 | 3,432 | 4,458 | 4,091 |
| South Africa | -1,206 | -64 | 175 | 128 | 34 |
| Developing Countries | -46,595 | -59,438 | -45,976 | -51,505 | -53,117 |
| Latin America | -11,573 | -12,797 | -8,764 | -10,420 | -11,751 |
| Mexico | -4,910 | -5,689 | -2,631 | -2,180 | -1,878 |
| Brazil | -2,928 | -3,825 | -5,028 | -3,606 | -2,850 |
| Venezuela | -1,956 | -1,993 | -546 | -3,745 | -6,371 |
| Colombia | -555 | -821 | -406 | -631 | -1,139 |
| Dominican Republic | -164 | -21 | -50 | -1 | -96 |
| East Asian Newly Industrialized Countries | -27,846 | -34,117 | -28,214 | -24,345 | -19,839 |
| South Korea | -6,374 | -8,888 | -8,873 | -6,278 | -4,081 |
| Taiwan | -14,267 | -17,209 | -12,585 | -12,978 | -11,175 |
| Singapore | -1,345 | -2,148 | -2,206 | -1,659 | -1,778 |
| Hong Kong | -5,861 | -5,871 | -4,550 | -3,431 | -2,805 |
| Other Developing Countries | -7,175 | -12,524 | -8,966 | -16,739 | -21,527 |
| Malaysia | -691 | -1,025 | -1,550 | -1,874 | -1,847 |
| Thailand | -811 | -676 | -1,248 | -2,091 | -2,293 |
| India | -747 | -1,065 | -439 | -857 | -711 |
| Philippines | -609 | -665 | -788 | -866 | -913 |
| Indonesia | -2,366 | -2,627 | -2,092 | -2,282 | -1,444 |
| Saudi Arabia | -163 | -1,060 | -1,844 | -3,583 | -5,971 |
| Israel | -179 | 491 | 273 | -412 | -110 |
| Algeria | -1,378 | -1,572 | -1,084 | -1,074 | -1,674 |
| Iraq | 87 | 189 | -331 | -1,246 | -2,276 |
| Nigeria | -2,122 | -3,278 | -2,922 | -4,794 | -5,429 |
| Eastern Europe and Communist Countries | -1,647 | -2,496 | -1,989 | -2,938 | -8,404 |
| China | -1,665 | -2,796 | -3,490 | -6,235 | -10,431 |
| Soviet Union | 689 | 1,055 | 2,183 | 3,574 | 2,028 |

Source: Department of Commerce

Table 46: U.S. Exports by End-Use Category, 1986-1990

(in millions of dollars, f.a.s. value)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Total Exports | $216,235 | $253,906 | $322,498 | $362,808 | $393,592 |
| Food, Feed and Beverages | 22,840 | 24,737 | 32,856 | 35,504 | 34,976 |
| Wheat | 3,287 | 3,272 | 5,104 | 6,125 | 4,017 |
| Corn | 2,660 | 3,255 | 5,101 | 6,824 | 6,274 |
| Sorghum, Barley and Oats | 502 | 640 | 845 | 1,165 | 1,024 |
| Other Animal Feeds | 2,623 | 2,698 | 3,428 | 2,906 | 2,659 |
| Soybeans | 4,299 | 4,305 | 4,884 | 4,027 | 3,572 |
| Meat and Meat Products | 1,502 | 1,861 | 2,635 | 2,957 | 3,339 |
| Fish and Fish Products | 1,315 | 1,637 | 2,211 | 2,359 | 2,936 |
| Fruits and Fruit Products | 1,406 | 1,634 | 1,922 | 2,027 | 2,812 |
| Vegetables and Vegetable Products | 807 | 609 | 1,028 | 1,176 | 1,806 |
| Industrial Supplies and Materials | 61,894 | 67,842 | 86,732 | 94,388 | 105,075 |
| Raw Cotton | 834 | 1,655 | 1,979 | 2,261 | 2,800 |
| Unmanufactured Tobacco | 1,220 | 1,107 | 1,262 | 1,338 | 1,462 |
| Hides and Skins (incl. furskins) | 1,529 | 1,752 | 1,850 | 1,742 | 1,762 |
| Metallurgical-Grade Coal | 2,654 | 2,264 | 2,735 | 3,006 | 3,046 |
| Other Coal | 1,384 | 1,171 | 1,363 | 1,782 | 2,017 |
| Fuel Oil | 1,907 | 1,961 | 1,684 | 1,774 | 2,502 |
| Other Petroleum Products | 2,071 | 2,316 | 2,396 | 3,218 | 4,510 |
| Nuclear Fuel Materials and Fuels | 1,166 | 907 | 747 | 1,326 | 1,117 |
| Logs, Lumber, Plywood and Veneers | 2,503 | 3,342 | 4,510 | 4,973 | 5,235 |
| Paper Base Stocks | 2,347 | 3,109 | 4,017 | 4,355 | 4,115 |
| Newsprint and Other Paper Products | 2,390 | 2,905 | 3,490 | 3,710 | 4,363 |
| Synthetic Fibers, Yarn and Fabric | 1,577 | 1,823 | 2,288 | 2,302 | 2,745 |
| Plastic Materials | 3,884 | 4,993 | 6,617 | 5,784 | 6,504 |
| Fertilizers, Pesticides and Insecticides | 3,686 | 3,883 | 4,345 | 4,145 | 3,950 |
| Industrial Inorganic Chemicals | 1,347 | 1,585 | 2,026 | 3,069 | 2,819 |
| Industrial Organic Chemicals | 4,786 | 5,921 | 7,610 | 9,023 | 8,798 |
| Iron Ore, Steel Scrap and Ferroalloys | 1,328 | 1,244 | 1,685 | 2,092 | 2,119 |
| Steel Slabs, Bars, Wire Rods, Plates and Sheets | 512 | 640 | 1,200 | 2,208 | 2,146 |
| Steel Strip, Wire, Shapes, Pipes, Tubes and Fasteners | 700 | 779 | 1,019 | 1,628 | 1,607 |
| Aluminum | 1,172 | 1,695 | 2,925 | 3,260 | 3,201 |
| Copper | 611 | 655 | 1,353 | 1,158 | 1,830 |
| Nonmonetary Gold | 5,191 | 1,881 | 5,170 | 1,886 | 2,994 |
| Other Nonferrous Metals | 893 | 1,159 | 1,552 | 1,946 | 1,949 |
| Fabricated Metal Products | 1,743 | 2,183 | 2,754 | 2,713 | 3,251 |
| Manufactured Mineral Supplies | 725 | 846 | 980 | 1,397 | 1,647 |
| Blank Audio and Video Tapes and Other Media | 624 | 838 | 1,245 | 1,386 | 1,799 |
| Capital Goods | 79,465 | 90,657 | 115,417 | 132,368 | 152,675 |
| Electric Machinery | 7,050 | 8,382 | 10,827 | 10,584 | 12,747 |
| Generators, Transformers and Accessories | 1,432 | 1,621 | 2,105 | 1,788 | 2,121 |
| Other Electric Apparatus and Parts | 5,618 | 6,760 | 8,721 | 8,797 | 10,626 |
| Nonelectric Machinery | 55,534 | 64,447 | 81,899 | 93,689 | 105,939 |
| Drilling and Oilfield Equipment | 2,550 | 1,845 | 2,408 | 2,866 | 3,158 |
| Excavating, Paving and Construction Machinery | 1,416 | 1,515 | 1,980 | 2,963 | 3,569 |
| Nonfarm Tractors and Parts | 988 | 1,007 | 1,366 | 1,607 | 1,126 |

(continued)

Table 46: U.S. Exports by End-Use Category, 1986-1990 (continued)

(in millions of dollars, f.a.s. value)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Industrial Engines, Pumps, Compressors and Generators | $2,863 | $3,008 | $3,805 | $5,662 | $6,425 |
| Food and Tobacco Processing Machinery | 446 | 563 | 685 | 1,088 | 1,253 |
| Machine Tools, Metalworking, Molding and Rolling Mill Machinery | 1,915 | 2,125 | 2,544 | 2,867 | 3,144 |
| Textile and Sewing Machinery | 453 | 556 | 705 | 1,139 | 1,038 |
| Woodworking, Glassmaking and Plastic and Rubber Molding Machinery | 959 | 1,140 | 1,473 | 1,327 | 1,486 |
| Pulp, Paper, Printing and Packaging Machinery | 1,046 | 1,278 | 1,682 | 1,828 | 2,266 |
| Measuring, Testing and Control Instruments | 3,936 | 4,366 | 5,282 | 4,640 | 5,776 |
| Materials Handling Equipment | 1,009 | 1,159 | 1,538 | 1,949 | 2,400 |
| Photo and Service Industry Machinery | 1,576 | 1,877 | 2,380 | 3,229 | 3,564 |
| Agricultural Machinery and Equipment | 1,707 | 1,914 | 2,377 | 2,100 | 2,375 |
| Computers | 3,518 | 4,240 | 5,372 | 7,355 | 7,973 |
| Computer Peripherals, Accessories and Parts | 11,656 | 14,279 | 18,059 | 16,161 | 17,950 |
| Semiconductors | 4,799 | 6,399 | 8,749 | 11,807 | 13,333 |
| Telecommunications Equipment | 4,309 | 5,017 | 6,337 | 7,927 | 9,365 |
| Other Office and Business Machines | 1,259 | 1,612 | 1,724 | 2,157 | 2,141 |
| Scientific, Hospital and Medical Equipment | 3,591 | 4,158 | 5,248 | 6,556 | 7,635 |
| Transportation Equipment | 16,881 | 17,828 | 22,691 | 28,095 | 33,989 |
| Civilian Aircraft | 7,381 | 7,657 | 10,431 | 13,588 | 18,444 |
| Parts for Civilian Aircraft | 4,472 | 4,776 | 5,588 | 6,787 | 7,603 |
| Engines for Civilian Aircraft | 3,307 | 3,772 | 4,865 | 6,137 | 6,255 |
| Marine Engines and Parts | 1,008 | 1,180 | 1,232 | 775 | 736 |
| Automotive Vehicles, Parts and Engines | 22,161 | 25,739 | 30,208 | 30,437 | 37,395 |
| Cars | 6,339 | 7,359 | 9,014 | 10,037 | 10,945 |
| Trucks, Buses and Special Vehicles | 3,096 | 3,771 | 3,986 | 3,619 | 4,335 |
| Automotive Engines and Parts | 2,655 | 2,834 | 3,346 | 3,171 | 4,255 |
| Other Automotive Parts and Accessories (incl. tires) | 10,072 | 11,776 | 13,863 | 13,611 | 17,859 |
| Consumer Goods | 15,856 | 19,758 | 26,000 | 34,084 | 42,762 |
| Manufactured Consumer Nondurables | 8,701 | 10,531 | 13,138 | 15,637 | 19,688 |
| Textile Apparel, Footwear and Household Goods | 1,032 | 1,303 | 1,682 | 2,134 | 2,636 |
| Pharmaceutical Preparations | 3,251 | 3,450 | 4,244 | 4,338 | 4,837 |
| Printed Material | 1,298 | 1,532 | 1,873 | 2,172 | 2,870 |
| Toiletries and Cosmetics | 352 | 424 | 522 | 814 | 1,143 |
| Cigarettes and Other Tobacco Manufactures | 1,520 | 2,319 | 2,926 | 3,633 | 5,042 |
| Manufactured Consumer Durables | 6,208 | 8,068 | 11,352 | 16,773 | 21,077 |
| Household and Kitchen Appliances | 716 | 1,003 | 1,476 | 2,281 | 2,617 |
| Pleasure Boats and Motors | 432 | 604 | 877 | 1,038 | 1,189 |
| Toys, Sporting Goods, Bicycles and Motorcycles | 700 | 946 | 1,367 | 2,204 | 2,877 |
| Records, Tapes and Disks | 421 | 547 | 793 | 1,148 | 1,902 |
| Artwork and Antiques | 894 | 1,247 | 1,876 | 3,777 | 4,600 |
| Unmanufactured Consumer Goods | 947 | 1,159 | 1,511 | 1,674 | 1,997 |
| Gemstones | 884 | 1,090 | 1,425 | 1,567 | 1,797 |
| Other Exports | 14,019 | 25,173 | 31,286 | 36,028 | 20,709 |

Source: Department of Commerce

Table 47: U.S. Imports by End-Use Category, 1986-1990

(in millions of dollars, Customs value)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Total Imports | $365,672 | $406,283 | $441,926 | $472,761 | $495,311 |
| Food, Feed and Beverages | 24,403 | 24,809 | 24,930 | 25,056 | 26,649 |
| Coffee | 4,263 | 2,710 | 2,284 | 2,273 | 1,766 |
| Meat and Meat Products | 2,819 | 3,306 | 3,475 | 3,310 | 4,019 |
| Fish and Fish Products | 4,746 | 5,591 | 5,422 | 5,400 | 5,207 |
| Fruits and Fruit Products | 2,484 | 2,843 | 3,089 | 2,902 | 3,387 |
| Vegetables and Vegetable Products | 1,241 | 1,197 | 1,232 | 1,619 | 1,932 |
| Wine | 1,759 | 1,916 | 1,906 | 1,796 | 1,865 |
| Other Alcoholic Beverages | 1,247 | 1,356 | 1,504 | 1,585 | 1,725 |
| Industrial Supplies and Materials | 101,371 | 110,665 | 118,064 | 132,214 | 143,207 |
| Crude Oil | 22,059 | 29,453 | 25,805 | 35,500 | 43,785 |
| Fuel Oil | 5,115 | 5,989 | 5,945 | 6,449 | 8,027 |
| Other Petroleum Products | 5,287 | 5,610 | 5,777 | 6,248 | 7,089 |
| Liquefied Petroleum Gas | 1,885 | 1,930 | 1,888 | 2,186 | 3,219 |
| Natural Gas | 1,873 | 1,715 | 1,876 | 1,852 | 2,335 |
| Logs and Lumber | 2,997 | 3,133 | 3,030 | 3,071 | 1,634 |
| Paper Base Stocks | 1,659 | 2,131 | 2,734 | 3,062 | 2,868 |
| Newsprint | 3,667 | 4,121 | 4,512 | 4,545 | 4,324 |
| Other Paper and Paper Products | 2,056 | 2,417 | 2,965 | 2,013 | 2,280 |
| Cotton Fibers, Yarn and Fabric | 1,193 | 1,554 | 1,218 | 1,259 | 1,296 |
| Synthetic Fibers, Yarn and Fabric | 1,893 | 1,920 | 1,977 | 1,971 | 2,111 |
| Plastic Materials | 1,756 | 2,023 | 2,414 | 2,733 | 3,117 |
| Fertilizers, Pesticides and Insecticides | 1,688 | 1,613 | 2,140 | 1,881 | 1,846 |
| Industrial Inorganic Chemicals | 975 | 1,071 | 1,293 | 1,780 | 1,950 |
| Industrial Organic Chemicals | 3,293 | 3,627 | 4,738 | 4,726 | 5,098 |
| Iron Ore, Steel Scrap and Ferroalloys | 1,193 | 1,277 | 1,921 | 1,966 | 1,793 |
| Steel Slabs, Bars, Wire Rods, Plates and Sheets | 5,193 | 5,635 | 6,343 | 6,331 | 6,015 |
| Steel Strip, Wire, Shapes, Pipes, Tubes and Fasteners | 3,217 | 3,398 | 4,067 | 3,279 | 2,879 |
| Fabricated Steel Products | 1,564 | 1,789 | 2,177 | 2,365 | 2,421 |
| Bauxite and Aluminum | 2,654 | 2,981 | 3,669 | 3,858 | 3,547 |
| Copper | 820 | 1,002 | 1,522 | 1,575 | 1,423 |
| Nickel | 686 | 763 | 1,463 | 1,607 | 1,154 |
| Nonmonetary Gold | 5,696 | 1,651 | 1,285 | 1,511 | 1,104 |
| Other Precious Metals | 2,159 | 1,889 | 2,026 | 2,158 | 2,520 |
| Fabricated Nonferrous Metal Products | 2,626 | 2,828 | 3,609 | 3,406 | 3,459 |
| Capital Goods | 71,863 | 84,769 | 101,787 | 113,134 | 116,546 |
| Electric Machinery | 8,046 | 9,518 | 11,540 | 11,422 | 12,781 |
| Generators, Transformers and Accessories | 2,317 | 2,740 | 3,581 | 2,365 | 2,600 |
| Other Electric Apparatus and Parts | 5,731 | 6,778 | 7,959 | 9,057 | 10,181 |
| Nonelectric Machinery | 56,979 | 67,890 | 82,002 | 90,878 | 91,951 |
| Excavating, Paving and Construction Machinery | 1,364 | 1,539 | 1,668 | 1,965 | 1,851 |
| Industrial Engines, Pumps, Compressors and Generators | 2,682 | 3,215 | 3,963 | 4,374 | 4,512 |
| Machine Tools, Metalworking, Molding and Rolling Mill Machinery | 3,440 | 3,320 | 3,687 | 4,129 | 4,050 |
| Textile and Sewing Machinery | 1,006 | 1,380 | 1,657 | 1,853 | 1,813 |
| Woodworking, Glassmaking and Plastic and Rubber Molding Machinery | 1,433 | 1,708 | 2,052 | 2,391 | 2,301 |

(continued)

Table 47: U.S. Imports by End-Use Category, 1986-1990 (continued)

(in millions of dollars, Customs value)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Pulp, Paper, Printing and Packaging Machinery | $2,087 | $2,211 | $2,468 | $2,767 | $2,585 |
| Measuring, Testing and Control Instruments | 2,032 | 2,471 | 2,944 | 2,660 | 2,608 |
| Materials Handling Equipment | 1,892 | 1,811 | 1,922 | 2,338 | 2,041 |
| Photo and Service Industry Machinery | 2,252 | 2,674 | 2,772 | 3,392 | 3,149 |
| Agricultural Machinery and Equipment | 1,857 | 2,153 | 2,519 | 2,672 | 2,993 |
| Computers | 1,874 | 2,258 | 2,994 | 3,365 | 2,949 |
| Computer Peripherals, Accessories and Parts | 9,146 | 12,581 | 15,334 | 18,179 | 20,045 |
| Semiconductors | 5,947 | 7,783 | 10,963 | 12,327 | 12,168 |
| Telecommunications Equipment | 6,924 | 8,129 | 9,407 | 10,446 | 9,366 |
| Other Office and Business Machines | 3,314 | 3,605 | 4,134 | 4,286 | 4,149 |
| Scientific, Hospital and Medical Equipment | 2,662 | 2,951 | 3,406 | 3,974 | 5,029 |
| Transportation Equipment | 6,836 | 7,361 | 8,245 | 10,834 | 11,814 |
| Civilian Aircraft | 1,903 | 2,080 | 2,713 | 2,913 | 2,691 |
| Parts for Civilian Aircraft | 2,027 | 2,249 | 2,515 | 2,650 | 3,156 |
| Engines for Civilian Aircraft | 2,156 | 2,248 | 2,344 | 3,967 | 4,820 |
| Automotive Vehicles, Parts and Engines | 78,252 | 85,174 | 87,948 | 85,998 | 87,120 |
| Cars | 45,292 | 47,923 | 47,053 | 44,477 | 45,870 |
| Trucks, Buses and Special Vehicles | 9,134 | 9,150 | 8,317 | 9,417 | 9,025 |
| Bodies and Chassis for Trucks and Buses | 1,296 | 1,593 | 2,030 | 1,102 | 481 |
| Automotive Engines and Engine Parts | 4,635 | 5,416 | 6,536 | 7,716 | 6,647 |
| Automotive Tires and Tubes | 1,651 | 1,928 | 2,067 | 2,433 | 2,253 |
| Other Automotive Parts and Accessories | 16,244 | 19,164 | 21,945 | 20,853 | 22,845 |
| Consumer Goods | 79,427 | 88,824 | 96,424 | 102,812 | 105,699 |
| Manufactured Consumer Nondurables | 33,393 | 39,432 | 43,117 | 46,467 | 49,176 |
| Cotton Apparel and Household Goods | 6,186 | 8,078 | 8,383 | 9,408 | 10,244 |
| Wool Apparel and Household Goods | 1,615 | 1,595 | 1,668 | 1,567 | 1,489 |
| Other Textile Apparel and Household Goods | 9,648 | 10,619 | 10,723 | 11,970 | 12,147 |
| Nontextile Apparel and Household Goods | 2,386 | 3,131 | 3,805 | 3,807 | 3,672 |
| Footwear | 4,877 | 5,558 | 5,904 | 5,972 | 6,624 |
| Sporting and Camping Apparel, Footwear and Gear | 1,719 | 2,063 | 2,567 | 3,291 | 4,134 |
| Pharmaceutical Preparations | 2,223 | 2,703 | 3,497 | 3,467 | 3,672 |
| Printed Material | 1,293 | 1,393 | 1,495 | 1,506 | 1,545 |
| Manufactured Consumer Durables | 41,484 | 44,894 | 47,763 | 50,326 | 50,829 |
| Furniture and Household Items | 3,675 | 4,423 | 4,606 | 3,883 | 4,043 |
| Glassware and Chinaware | 1,696 | 1,940 | 2,006 | 1,276 | 1,306 |
| Cookware, Cutlery, House and Garden Wares and Tools | 1,642 | 1,890 | 2,087 | 1,894 | 1,880 |
| Household and Kitchen Appliances | 2,249 | 3,352 | 3,638 | 3,385 | 3,900 |
| Toys and Sporting Goods (incl. bicycles) | 5,778 | 7,196 | 7,985 | 8,946 | 9,741 |
| Photographic and Optical Equipment | 1,412 | 1,539 | 1,479 | 1,390 | 1,281 |
| Television Sets and Other Video Equipment | 8,094 | 6,410 | 5,824 | 6,848 | 6,404 |
| Radios, Stereo Equipment and Other Audio Equipment | 3,907 | 4,551 | 5,413 | 6,438 | 5,014 |
| Jewelry and Watches | 3,723 | 4,188 | 4,533 | 3,516 | 4,484 |
| Artworks and Antiques | 1,687 | 1,582 | 1,768 | 2,841 | 2,997 |
| Unmanufactured Consumer Goods | 4,550 | 4,499 | 5,544 | 6,019 | 5,693 |
| Gem Diamonds | 3,463 | 3,428 | 4,296 | 4,363 | 3,975 |
| Other Imports | 10,357 | 12,042 | 12,775 | 13,548 | 16,089 |

Source: Department of Commerce

Table 48: U.S. Trade with Japan, 1986-1990*

(in millions of dollars, seasonally unadjusted)

| | | Exports (f.a.s.) | Change Over Year-Earlier Period | Imports (Customs) | Change Over Year-Earlier Period | Trade Balance |
|---|---|---|---|---|---|---|
| 1986 | | $26,882 | 18.8% | $81,911 | 19.1% | $-55,030 |
| 1987 | | 28,249 | 5.1 | 84,575 | 3.3 | -56,326 |
| 1988 | | 37,725 | 33.5 | 89,519 | 5.8 | -51,794 |
| 1989 | | 44,494 | 17.9 | 93,553 | 4.5 | -49,059 |
| 1990 | | 48,580 | 9.2 | 89,684 | -4.1 | -41,105 |
| 1989 | January | 3,125 | 15.1 | 6,733 | 5.9 | -3,608 |
| | February | 3,258 | 10.1 | 7,763 | 9.4 | -4,506 |
| | March | 4,104 | 28.5 | 8,440 | 13.9 | -4,335 |
| | April | 3,677 | 20.7 | 7,537 | 4.0 | -3,860 |
| | May | 3,610 | 21.9 | 7,927 | 18.6 | -4,317 |
| | June | 4,073 | 21.4 | 7,871 | 4.2 | -3,798 |
| | July | 3,866 | 17.8 | 7,855 | 7.2 | -3,990 |
| | August | 3,917 | 18.8 | 7,859 | 2.4 | -3,942 |
| | September | 3,502 | 12.6 | 7,743 | 9.7 | -4,241 |
| | October | 3,699 | 13.5 | 8,603 | 1.9 | -4,904 |
| | November | 3,759 | 16.2 | 7,774 | -5.1 | -4,014 |
| | December | 3,904 | 17.7 | 7,449 | -12.1 | -3,545 |
| 1990 | January | 4,028 | 28.9 | 6,878 | 2.2 | -2,850 |
| | February | 3,784 | 16.1 | 6,911 | -11.0 | -3,128 |
| | March | 4,236 | 3.2 | 7,808 | -7.5 | -3,571 |
| | April | 3,598 | -2.2 | 7,641 | 1.4 | -4,043 |
| | May | 3,676 | 1.8 | 6,751 | -14.8 | -3,076 |
| | June | 4,178 | 2.6 | 7,220 | -8.3 | -3,043 |
| | July | 4,208 | 8.9 | 7,251 | -7.7 | -3,043 |
| | August | 3,889 | -0.7 | 7,629 | -2.9 | -3,741 |
| | September | 4,000 | 14.2 | 7,023 | -9.3 | -3,023 |
| | October | 4,279 | 15.7 | 8,721 | 1.4 | -4,442 |
| | November | 4,395 | 16.9 | 8,106 | 4.3 | -3,711 |
| | December | 4,310 | 10.4 | 7,745 | 4.0 | -3,435 |

*The export and import data reflect revisions not necessarily incorporated in Table 49 and Table 50. The export statistics cover domestic and foreign merchandise, including Department of Defense shipments.

Source: Department of Commerce

Table 49: U.S. Exports to Japan by End-Use Category, 1986-1990

(in millions of dollars, f.a.s. value)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Total Exports to Japan | $26,797 | $28,284 | $37,732 | $44,479 | $48,580 |
| Food, Feed and Beverages | 5,078 | 5,614 | 8,005 | 8,481 | 8,505 |
| Wheat | 425 | 350 | 426 | 477 | 421 |
| Corn | 868 | 1,024 | 1,611 | 1,595 | 1,673 |
| Sorghum, Barley and Oats | 182 | 181 | 233 | 351 | 316 |
| Other Animal Feeds | 231 | 228 | 326 | 327 | 286 |
| Soybeans | 837 | 782 | 1,033 | 866 | 818 |
| Other Oilseeds | 44 | 39 | 58 | 56 | 65 |
| Meat and Meat Products | 765 | 910 | 1,379 | 1,634 | 1,578 |
| Dairy Products and Eggs | 47 | 45 | 56 | 36 | 45 |
| Fish and Fish Products | 867 | 1,070 | 1,582 | 1,622 | 1,802 |
| Fruits and Fruit Products | 372 | 449 | 535 | 580 | 543 |
| Vegetables and Vegetable Products | 155 | 190 | 267 | 277 | 290 |
| Nuts and Nut Products | 125 | 105 | 122 | 125 | 116 |
| Bakery and Confectionery Products | 31 | 46 | 86 | 87 | 79 |
| Wine | 13 | 25 | 41 | 57 | 81 |
| Other Alcoholic Beverages | 23 | 49 | 105 | 110 | 130 |
| Industrial Supplies and Materials | 11,982 | 10,386 | 13,157 | 15,546 | 15,232 |
| Raw Cotton | 251 | 423 | 482 | 547 | 579 |
| Unmanufactured Tobacco | 230 | 302 | 213 | 297 | 305 |
| Hides and Skins (incl. furskins) | 336 | 380 | 467 | 408 | 457 |
| Metallurgical-Grade Coal | 534 | 443 | 525 | 503 | 510 |
| Other Coal | 35 | 43 | 77 | 452 | 463 |
| Fuel Oil | 391 | 409 | 349 | 236 | 164 |
| Other Petroleum Products | 211 | 337 | 404 | 515 | 594 |
| Natural Gas | 187 | 149 | 154 | 158 | 162 |
| Nuclear Fuel Materials and Fuels | 600 | 526 | 476 | 790 | 662 |
| Logs, Lumber, Plywood and Veneers | 1,110 | 1,584 | 1,928 | 2,392 | 2,312 |
| Manufactured Wood Supplies | 15 | 29 | 46 | 81 | 109 |
| Paper Base Stocks | 576 | 760 | 1,057 | 993 | 778 |
| Newsprint and Other Paper Products | 346 | 389 | 459 | 513 | 489 |
| Cotton and Other Natural Fibers, Yarn and Fabric | 10 | 29 | 42 | 65 | 51 |
| Synthetic Fibers, Yarn and Fabric | 49 | 59 | 91 | 93 | 107 |
| Synthetic Rubber | 69 | 70 | 80 | 52 | 51 |
| Plastic Materials | 305 | 385 | 498 | 446 | 450 |
| Fertilizers, Pesticides and Insecticides | 256 | 298 | 295 | 267 | 274 |
| Industrial Inorganic Chemicals | 144 | 167 | 232 | 281 | 247 |
| Industrial Organic Chemicals | 580 | 689 | 908 | 998 | 987 |
| Iron Ore, Steel Scrap and Ferroalloys | 167 | 125 | 163 | 158 | 164 |
| Steel Slabs, Bars, Wire Rods, Plates and Sheets | 25 | 18 | 92 | 224 | 145 |
| Steel Strip, Wire, Shapes, Pipes, Tubes and Fasteners | 36 | 36 | 57 | 187 | 67 |
| Aluminum | 406 | 662 | 1,180 | 1,504 | 1,331 |
| Copper | 191 | 192 | 377 | 424 | 639 |
| Nonmonetary Gold | 3,340 | 14 | 99 | 78 | 19 |
| Other Precious Metals | 77 | 115 | 195 | 130 | 199 |
| Other Nonferrous Metals | 180 | 202 | 318 | 298 | 318 |
| Fabricated Metal Products | 97 | 126 | 165 | 176 | 155 |

(continued)

Table 49: U.S. Exports to Japan by End-Use Category, 1986-1990 (continued)

(in millions of dollars, f.a.s. value)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Unmanufactured Nonmetallic Minerals | $126 | $148 | $178 | $111 | $117 |
| Manufactured Mineral Supplies | 77 | 91 | 105 | 290 | 319 |
| Blank Audio and Video Tapes and Other Media | 74 | 94 | 142 | 131 | 141 |
| Capital Goods | 6,682 | 7,762 | 10,716 | 12,152 | 14,438 |
| Electric Machinery | 454 | 513 | 681 | 730 | 712 |
| Generators, Transformers and Accessories | 58 | 64 | 95 | 96 | 144 |
| Other Electric Apparatus and Parts | 396 | 449 | 587 | 634 | 567 |
| Nonelectric Machinery | 4,329 | 5,277 | 7,667 | 9,605 | 10,358 |
| Excavating, Paving and Construction Machinery | 34 | 40 | 69 | 127 | 143 |
| Nonfarm Tractors and Parts | 59 | 67 | 110 | 99 | 105 |
| Industrial Engines, Pumps, Compressors and Generators | 111 | 129 | 166 | 267 | 303 |
| Food and Tobacco Processing Machinery | 26 | 35 | 41 | 75 | 75 |
| Machine Tools, Metalworking, Molding and Rolling Mill Machinery | 166 | 145 | 216 | 231 | 240 |
| Textile and Sewing Machinery | 22 | 25 | 41 | 69 | 56 |
| Woodworking, Glassmaking and Plastic and Rubber Molding Machinery | 46 | 46 | 70 | 58 | 76 |
| Pulp, Paper, Printing and Packaging Machinery | 77 | 81 | 124 | 122 | 134 |
| Measuring, Testing and Control Instruments | 481 | 580 | 842 | 656 | 739 |
| Materials Handling Equipment | 25 | 31 | 59 | 72 | 93 |
| Photo and Service Industry Machinery | 125 | 159 | 198 | 291 | 298 |
| Agricultural Machinery and Equipment | 24 | 33 | 47 | 70 | 81 |
| Computers | 407 | 504 | 803 | 1,246 | 1,320 |
| Computer Peripherals, Accessories and Parts | 1,005 | 1,225 | 1,743 | 1,859 | 2,245 |
| Semiconductors | 360 | 550 | 841 | 1,171 | 1,297 |
| Telecommunications Equipment | 326 | 456 | 621 | 978 | 974 |
| Other Office and Business Machines | 101 | 124 | 102 | 192 | 148 |
| Scientific, Hospital and Medical Equipment | 446 | 578 | 775 | 716 | 1,113 |
| Transportation Equipment | 1,899 | 1,971 | 2,368 | 1,818 | 3,368 |
| Civilian Aircraft | 1,163 | 1,100 | 1,306 | 720 | 2,178 |
| Parts for Civilian Aircraft | 380 | 456 | 523 | 608 | 675 |
| Engines for Civilian Aircraft | 272 | 311 | 430 | 374 | 420 |
| Marine Engines and Parts | 61 | 93 | 92 | 71 | 65 |
| Automotive Vehicles, Parts and Engines | 302 | 406 | 826 | 1,123 | 1,760 |
| Cars | 56 | 111 | 348 | 481 | 869 |
| Trucks, Buses and Special Vehicles | 19 | 20 | 46 | 66 | 127 |
| Automotive Tires and Tubes | 21 | 62 | 147 | 178 | 180 |
| Automotive Parts and Accessories (incl. engines) | 206 | 213 | 285 | 397 | 584 |
| Consumer Goods | 1,821 | 2,788 | 3,701 | 5,571 | 6,897 |
| Manufactured Consumer Nondurables | 1,087 | 1,630 | 2,010 | 2,417 | 2,972 |
| Textile Apparel, Footwear and Household Goods | 39 | 76 | 136 | 183 | 270 |
| Nontextile Apparel, Footwear and Household Goods | 40 | 61 | 77 | 109 | 98 |
| Sporting and Camping Apparel, Footwear and Gear | 32 | 59 | 60 | 27 | 43 |
| Pharmaceutical Preparations | 639 | 701 | 849 | 870 | 805 |
| Printed Material | 62 | 77 | 105 | 137 | 146 |

(continued)

Table 49: U.S. Exports to Japan by End-Use Category, 1986-1990 (continued)

(in millions of dollars, f.a.s. value)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Toiletries and Cosmetics | $32 | $49 | $40 | $66 | $82 |
| Cigarettes and Other Tobacco Manufactures | 131 | 495 | 614 | 874 | 1,315 |
| Manufactured Consumer Durables | 624 | 996 | 1,460 | 2,927 | 3,618 |
| Furniture | 19 | 23 | 37 | 54 | 56 |
| Cookware, Cutlery, House and Garden Wares and Tools | 41 | 56 | 39 | 59 | 53 |
| Household and Kitchen Appliances | 25 | 29 | 35 | 94 | 93 |
| Floor Coverings | 9 | 21 | 37 | 61 | 52 |
| Pleasure Boats and Motors | 16 | 31 | 56 | 97 | 177 |
| Toys, Sporting Goods, Bicycles and Motorcycles | 101 | 185 | 286 | 465 | 473 |
| Musical Instruments and Photographic and Optical Equipment | 41 | 60 | 75 | 104 | 98 |
| Television Sets and Other Video Equipment | 14 | 14 | 30 | 64 | 57 |
| Radios, Stereo Equipment and Other Audio Equipment | 8 | 7 | 16 | 62 | 65 |
| Records, Tapes and Disks | 44 | 70 | 121 | 220 | 261 |
| Jewelry and Watches | 45 | 67 | 89 | 153 | 229 |
| Artwork and Antiques | 162 | 310 | 499 | 1,258 | 1,746 |
| Unmanufactured Consumer Goods | 111 | 163 | 231 | 227 | 308 |
| Gemstones | 107 | 158 | 226 | 220 | 300 |
| Other Exports | 931 | 1,329 | 1,326 | 1,606 | 1,748 |

Source: Department of Commerce

Table 50: U.S. Imports from Japan by End-Use Category, 1986-1990

(in millions of dollars, Customs value)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Total Imports from Japan | $80,722 | $84,592 | $89,762 | $93,482 | $89,684 |
| Food, Feed and Beverages | 509 | 465 | 406 | 348 | 327 |
| Fish and Fish Products | 313 | 265 | 200 | 176 | 151 |
| Industrial Supplies and Materials | 7,549 | 7,987 | 8,495 | 8,563 | 8,397 |
| Paper and Paper Products | 122 | 155 | 174 | 183 | 186 |
| Cotton Fibers, Yarn and Fabric | 165 | 155 | 124 | 119 | 115 |
| Synthetic Fibers, Yarn and Fabric | 514 | 462 | 406 | 358 | 323 |
| Plastic Materials | 424 | 514 | 509 | 564 | 593 |
| Fertilizers, Pesticides and Insecticides | 20 | 22 | 27 | 53 | 65 |
| Industrial Inorganic Chemicals | 107 | 147 | 144 | 173 | 184 |
| Industrial Organic Chemicals | 560 | 652 | 720 | 688 | 629 |
| Steel Slabs, Bars, Wire Rods, Plates and Sheets | 1,433 | 1,524 | 1,584 | 1,674 | 1,457 |
| Steel Strip, Wire, Shapes, Pipes, Tubes and Fasteners | 710 | 712 | 841 | 685 | 571 |
| Fabricated Steel Products | 500 | 518 | 590 | 575 | 563 |
| Fabricated Nonferrous Metal Products | 564 | 513 | 444 | 415 | 559 |
| Blank Audio and Video Tapes and Other Media | 833 | 809 | 752 | 671 | 723 |
| Capital Goods | 23,441 | 27,697 | 32,834 | 36,872 | 34,567 |
| Electric Machinery | 2,337 | 2,853 | 3,468 | 3,122 | 3,277 |
| Generators, Transformers and Accessories | 569 | 634 | 807 | 411 | 451 |
| Other Electric Apparatus and Parts | 1,768 | 2,219 | 2,661 | 2,711 | 2,825 |
| Nonelectric Machinery | 20,736 | 24,324 | 28,810 | 32,973 | 30,549 |
| Drilling and Oilfield Equipment | 346 | 137 | 373 | 251 | 244 |
| Specialized Mining and Oil Processing Equipment | 382 | 525 | 563 | 478 | 517 |
| Excavating, Paving and Construction Machinery | 321 | 414 | 436 | 433 | 480 |
| Nonfarm Tractors and Parts | 20 | 83 | 105 | 269 | 272 |
| Industrial Engines, Pumps, Compressors and Generators | 638 | 905 | 1,140 | 1,163 | 1,212 |
| Food and Tobacco Processing Machinery | 85 | 118 | 94 | 106 | 81 |
| Machine Tools, Metalworking, Molding and Rolling Mill Machinery | 1,532 | 1,505 | 1,742 | 2,056 | 1,674 |
| Textile and Sewing Machinery | 228 | 292 | 403 | 543 | 408 |
| Woodworking, Glassmaking and Plastic and Rubber Molding Machinery | 359 | 478 | 557 | 813 | 624 |
| Pulp, Paper, Printing and Packaging Machinery | 382 | 328 | 348 | 472 | 448 |
| Measuring, Testing and Control Instruments | 570 | 674 | 818 | 764 | 783 |
| Materials Handling Equipment | 597 | 587 | 524 | 650 | 459 |
| Photo and Service Industry Machinery | 872 | 923 | 988 | 1,307 | 1,123 |
| Agricultural Machinery and Equipment | 512 | 550 | 494 | 438 | 401 |
| Computers | 583 | 617 | 648 | 619 | 469 |
| Computer Peripherals, Accessories and Parts | 4,114 | 5,768 | 7,050 | 7,929 | 8,108 |
| Semiconductors | 1,438 | 1,965 | 3,278 | 3,876 | 3,299 |
| Telecommunications Equipment | 3,350 | 3,647 | 3,851 | 4,984 | 4,083 |
| Other Office and Business Machines | 2,385 | 2,446 | 2,511 | 2,539 | 2,368 |
| Scientific, Hospital and Medical Equipment | 818 | 867 | 984 | 1,163 | 1,446 |

(continued)

Table 50: U.S. Imports from Japan by End-Use Category, 1986-1990 (continued)

(in millions of dollars, Customs value)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Transportation Equipment | $369 | $519 | $557 | $778 | $741 |
| Parts for Civilian Aircraft | 189 | 255 | 322 | 387 | 471 |
| Engines for Civilian Aircraft | 53 | 35 | 58 | 97 | 84 |
| Railroad Equipment | 63 | 134 | 89 | 72 | 46 |
| Marine Engines and Parts | 53 | 55 | 63 | 182 | 140 |
| Automotive Vehicles, Parts and Engines | 32,620 | 33,690 | 32,789 | 33,685 | 32,120 |
| Cars | 20,950 | 21,273 | 19,873 | 20,140 | 19,522 |
| Trucks, Buses and Special Vehicles | 5,462 | 4,726 | 3,477 | 2,855 | 1,964 |
| Bodies and Chassis for Trucks and Buses | 188 | 226 | 263 | 86 | 93 |
| Automotive Engines and Engine Parts | 1,014 | 1,405 | 2,011 | 3,087 | 2,429 |
| Automotive Tires and Tubes | 478 | 498 | 641 | 818 | 752 |
| Other Automotive Parts and Accessories | 4,528 | 5,562 | 6,525 | 6,700 | 7,360 |
| Consumer Goods | 15,794 | 13,940 | 14,252 | 12,954 | 12,919 |
| Manufactured Consumer Nondurables | 1,419 | 1,400 | 1,450 | 1,514 | 1,371 |
| Cotton Apparel and Household Goods | 227 | 182 | 112 | 71 | 53 |
| Other Textile Apparel and Household Goods | 219 | 174 | 163 | 123 | 77 |
| Nontextile Apparel and Household Goods | 47 | 47 | 43 | 84 | 96 |
| Pharmaceutical Preparations | 271 | 336 | 344 | 360 | 341 |
| Printed Material | 188 | 194 | 218 | 191 | 186 |
| Manufactured Consumer Durables | 14,195 | 12,400 | 12,642 | 11,370 | 11,459 |
| Glassware and Chinaware | 396 | 375 | 333 | 275 | 262 |
| Cookware, Cutlery, House and Garden Wares and Tools | 249 | 209 | 209 | 192 | 168 |
| Household and Kitchen Appliances | 901 | 737 | 625 | 418 | 645 |
| Motorcycles and Parts | 856 | 556 | 629 | 586 | 403 |
| Pleasure Boats and Motors | 248 | 322 | 447 | 213 | 162 |
| Toys and Sporting Goods (incl. bicycles) | 729 | 931 | 1,633 | 2,108 | 2,632 |
| Photographic and Optical Equipment | 1,021 | 1,079 | 952 | 772 | 695 |
| Musical Instruments and Other Recreational Equipment | 392 | 544 | 549 | 393 | 350 |
| Television Sets and Other Video Equipment | 5,581 | 3,608 | 2,810 | 3,230 | 3,005 |
| Radios, Stereo Equipment and Other Audio Equipment | 2,513 | 2,754 | 3,223 | 2,212 | 1,945 |
| Jewelry and Watches | 467 | 526 | 556 | 356 | 521 |
| Artworks and Antiques | 86 | 63 | 43 | 101 | 123 |
| Unmanufactured Consumer Goods | 179 | 139 | 161 | 70 | 90 |
| Other Imports | 809 | 814 | 985 | 1,061 | 1,355 |

Source: Department of Commerce

Table 51: U.S. Direct Investment Position Abroad, Yearend 1986-1990

(in millions of dollars, historical cost basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Developed Countries | $194,280 | $237,508 | $252,649 | $274,564 | $312,186 |
| Canada | 50,629 | 57,783 | 62,656 | 65,548 | 68,431 |
| United Kingdom | 35,389 | 44,512 | 49,459 | 59,827 | 64,983 |
| West Germany | 20,932 | 24,388 | 21,832 | 24,550 | 27,715 |
| Switzerland | 16,441 | 19,665 | 18,734 | 19,209 | 23,733 |
| Netherlands | 11,643 | 14,842 | 16,145 | 18,133 | 22,778 |
| Japan | 11,472 | 15,684 | 18,009 | 18,488 | 20,994 |
| France | 8,952 | 11,868 | 13,041 | 14,069 | 17,134 |
| Australia | 9,340 | 11,363 | 12,823 | 13,331 | 14,529 |
| Italy | 7,426 | 9,264 | 9,496 | 10,294 | 12,971 |
| Belgium | 5,006 | 7,267 | 7,501 | 7,941 | 9,462 |
| Spain | 2,707 | 4,076 | 4,966 | 6,096 | 7,480 |
| Ireland | 4,308 | 5,425 | 5,886 | 5,522 | 6,776 |
| Norway | 3,216 | 3,843 | 4,371 | 3,547 | 3,633 |
| New Zealand | 598 | 743 | 833 | 1,140 | 3,139 |
| Developing Countries | 61,072 | 73,017 | 80,060 | 92,098 | 105,721 |
| Bermuda | 15,373 | 19,215 | 19,022 | 17,717 | 18,972 |
| Brazil | 9,268 | 10,951 | 12,609 | 14,522 | 15,416 |
| Mexico | 4,623 | 4,913 | 5,712 | 7,280 | 9,360 |
| Panama | 5,525 | 6,622 | 6,874 | 7,889 | 8,521 |
| Hong Kong | 3,912 | 4,309 | 5,240 | 5,946 | 6,537 |
| Bahamas | 2,991 | 3,814 | 4,112 | 4,257 | 4,301 |
| Singapore | 2,256 | 2,384 | 2,311 | 2,318 | 3,971 |
| Indonesia | 3,217 | 3,070 | 2,921 | 3,770 | 3,827 |
| Netherlands Antilles | -16,969 | -14,235 | -9,983 | -5,956 | -1,401 |
| International | 4,448 | 3,782 | 3,184 | 3,430 | 3,586 |
| Total | 259,800 | 314,307 | 335,893 | 370,091 | 421,494 |
| of which: | | | | | |
| Petroleum | 58,497 | 59,774 | 57,807 | 54,049 | 59,736 |
| Manufacturing | 105,101 | 131,645 | 138,725 | 149,237 | 168,220 |
| Wholesale Trade | 26,214 | 31,847 | 34,054 | 37,230 | 41,411 |
| Banking | 14,510 | 18,027 | 19,109 | 20,397 | 21,397 |
| Finance, Insurance and Real Estate | 36,414 | 53,046 | 63,386 | 84,323 | 98,889 |
| Services | 5,128 | 6,706 | 7,869 | 8,716 | 10,639 |
| Other | 13,935 | 13,262 | 14,942 | 16,140 | 21,001 |

Source: Department of Commerce

Table 52: U.S. Direct Investment Position in Japan, Yearend 1986-1990

(in millions of dollars, historical cost basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Total | $11,472 | $15,684 | $18,009 | $18,488 | $20,994 |
| Petroleum | 2,712 | 2,642 | 3,443 | 3,284 | 3,419 |
| Manufacturing | 5,439 | 8,107 | 8,929 | 9,721 | 10,623 |
| Food Products | 157 | 371 | 334 | 310 | 388 |
| Chemicals | 1,591 | 2,159 | 2,423 | 2,405 | 2,509 |
| Metals | 130 | 175 | 187 | 161 | 225 |
| Electric Machinery | 475 | 744 | 1,070 | 1,180 | 1,224 |
| Nonelectric Machinery | 1,809 | * | 2,775 | 2,585 | 2,891 |
| Transport Equipment | 699 | 1,231 | 1,286 | 2,215 | 2,464 |
| Other | 579 | * | 854 | 863 | 921 |
| Wholesale Trade | 2,173 | 2,933 | 3,485 | 3,338 | 3,820 |
| Banking | 204 | 333 | 263 | 150 | 200 |
| Finance, Insurance and Real Estate | 686 | 1,231 | 1,298 | 1,492 | 2,240 |
| Services | 109 | 157 | 224 | 243 | 288 |
| Other | 149 | 281 | 366 | 261 | 406 |

*Suppressed to avoid disclosure of data on individual companies.

Source: Department of Commerce

Table 53: Foreign Direct Investment Position in the United States, Yearend 1986-1990

(in millions of dollars, historical cost basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| United Kingdom | $55,935 | $75,519 | $95,698 | $105,511 | $108,055 |
| Japan | 26,824 | 34,421 | 51,126 | 67,319 | 83,498 |
| Netherlands | 40,717 | 46,636 | 48,128 | 56,316 | 64,333 |
| West Germany | 17,250 | 21,905 | 25,250 | 29,015 | 27,770 |
| Canada | 20,318 | 24,684 | 26,566 | 28,686 | 27,733 |
| France | 7,709 | 10,137 | 13,233 | 16,822 | 19,550 |
| Switzerland | 12,058 | 13,772 | 14,372 | 18,772 | 17,512 |
| Netherlands Antilles | 9,685 | 8,062 | 8,935 | 9,265 | 11,150 |
| Australia | 5,466 | 5,369 | 7,171 | 7,224 | 8,394 |
| Sweden | 3,963 | 4,910 | 4,713 | 5,303 | 5,450 |
| Belgium | 2,487 | 3,371 | 3,471 | 3,972 | 4,230 |
| Panama | 2,202 | 2,627 | 2,878 | 3,039 | 3,256 |
| Kuwait | 3,771 | 3,898 | 3,954 | 4,113 | 1,580 |
| OPEC Countries | 4,787 | 4,658 | 6,487 | 7,228 | 5,897 |
| Total | 220,414 | 263,394 | 314,754 | 373,763 | 403,735 |
| of which: | | | | | |
| Petroleum | 29,094 | 37,815 | 36,006 | 37,201 | 38,004 |
| Manufacturing | 71,963 | 93,865 | 122,582 | 151,820 | 159,998 |
| Wholesale Trade | 33,997 | 37,427 | 43,725 | 46,297 | 52,646 |
| Retail Trade | 8,923 | 7,972 | 9,865 | 9,013 | 9,350 |
| Banking | 12,394 | 14,354 | 16,906 | 18,638 | 19,089 |
| Finance | 7,239 | 7,389 | 8,113 | 16,837 | 13,075 |
| Insurance | 15,345 | 17,712 | 18,991 | 22,740 | 26,273 |
| Real Estate | 22,512 | 22,025 | 25,867 | 30,060 | 34,626 |
| Other | 18,948 | 24,837 | 32,699 | 41,155 | 50,675 |

Source: Department of Commerce

Table 54: Japan's Foreign Direct Investment Position in the United States, Yearend 1986-1990

(in millions of dollars, historical cost basis)

| | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---|---|---|---|---|
| Total | $26,824 | $34,421 | $51,126 | $67,319 | $83,498 |
| Petroleum | 34 | -56 | -64 | -35 | -38 |
| Manufacturing | 3,578 | 4,970 | 11,065 | 13,978 | 15,169 |
| Food Products | 158 | 281 | 393 | 641 | 662 |
| Chemicals | 279 | 932 | 1,677 | 2,272 | 3,918 |
| Metals | 71 | 602 | 1,293 | 2,248 | 2,090 |
| Machinery | 1,052 | 1,686 | 2,930 | 4,150 | 4,210 |
| Other | 1,618 | 1,469 | 4,772 | 4,667 | 4,289 |
| Wholesale Trade | 13,687 | 15,927 | 18,462 | 21,972 | 27,645 |
| Retail Trade | 290 | 373 | 411 | 511 | 627 |
| Banking | 2,704 | 3,655 | 4,367 | 4,959 | 6,025 |
| Finance | 2,087 | 2,994 | 5,666 | 9,407 | 10,402 |
| Insurance | * | 188 | 266 | 355 | 477 |
| Real Estate | 2,941 | 4,386 | 8,190 | 11,370 | 15,860 |
| Other | 1,306 | 1,984 | 2,763 | 4,802 | 7,331 |

*Suppressed to avoid disclosure of data on individual companies.

Source: Department of Commerce

# NOTE

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1-4, 7-10